ENERGY STAR Qualified Solar Water Heaters

List Posted on October 17, 2011

Below are currently qualified ENERGY STAR models available for sale in the U.S.

Product Brand	Model	SRCC Certification Number	System Type	Collector Type	Collector Panel Area (sq feet)	Solar Fraction (SF)	Solar Energy Factor (SEF)	Freeze Tolerance Limit (F)	Solar Tank Volume	Auxiliary Type	Auxillary Volume	Auxillary Input (kW)	Auxillary Input (MBTUH)	Min Warranty Collector (years)	Min Warranty - Tank (years)	Min Warranty - Controls (years)	Min Warranty - Parts (years)	Active	Active Date	Qualified Date
ACR Solar International	100133C50		Direct Forced Circulation	Flat Plate	30	0.50	1.8							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200132C50		Direct Forced Circulation	Flat Plate	40	0.60	2.2							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200132C50ZTE		Direct Forced Circulation	Flat Plate	40	0.50	1.8							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200132C50T20E		Direct Forced Circulation	Flat Plate	40	0.50	1.8							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200132C80		Direct Forced Circulation	Flat Plate	40	0.60	2.1							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200133C50		Direct Forced Circulation	Flat Plate	60	0.70	3.3							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200133C80		Direct Forced Circulation	Flat Plate	60	0.73	3.1							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200152C80EX		Direct Forced Circulation	Flat Plate	40	0.50	1.7							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200152C80EX2TE		Direct Forced Circulation	Flat Plate	40	0.51	1.6							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200153C80EX		Direct Forced Circulation	Flat Plate	60	0.60	2.1							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200153C80EX2TE		Direct Forced Circulation	Flat Plate	60	0.64	1.9							10	6	2	1	Yes	8/19/2009	8/19/2009
ACR Solar International	200154C80EX		Direct Forced Circulation	Flat Plate	80	0.70	2.6							10	6	2	1	Yes	8/19/2009	8/19/2009
American Solar	SSX62 ACI120 - 80		Indirect Forced Circulation	Flat Plate	32	0.50	1.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI144 - 80		Indirect Forced Circulation	Flat Plate	32	0.50	1.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI150 - 120		Indirect Forced Circulation	Flat Plate	40	0.53	1.9	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI150 - 80		Indirect Forced Circulation	Flat Plate	40	0.59	2.2	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI154 - 120		Indirect Forced Circulation	Flat Plate	40	0.50	1.8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI154 - 80		Indirect Forced Circulation	Flat Plate	40	0.57	2.1	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI220 - 120		Indirect Forced Circulation	Flat Plate	51	0.61	2.3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI220 - 80		Indirect Forced Circulation	Flat Plate	51	0.70	3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI240 - 120		Indirect Forced Circulation	Flat Plate	64	0.73	3.3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI240 - 80		Indirect Forced Circulation	Flat Plate	64	0.83	5.3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI244 - 120		Indirect Forced Circulation	Flat Plate	64	0.70	3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI244 - 80		Indirect Forced Circulation	Flat Plate	64	0.80	4.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI250 - 120		Indirect Forced Circulation	Flat Plate	80	0.84	5.6	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI250 - 80		Indirect Forced Circulation	Flat Plate	80	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI254 - 120		Indirect Forced Circulation	Flat Plate	80	0.83	5.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI254 - 80		Indirect Forced Circulation	Flat Plate	80	0.92	11.2	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI320 - 120		Indirect Forced Circulation	Flat Plate	76	0.82	4.9	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI320 - 80		Indirect Forced Circulation	Flat Plate	76	0.91	10.1	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI340 - 120		Indirect Forced Circulation	Flat Plate	96	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI340 - 80		Indirect Forced Circulation	Flat Plate	96	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI344 - 120		Indirect Forced Circulation	Flat Plate	96	0.93	12.1	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI344 - 80		Indirect Forced Circulation	Flat Plate	96	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI350 - 120		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI350 - 80		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI354 - 120		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI354 - 80		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI420 - 120		Indirect Forced Circulation	Flat Plate	102	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI420 - 80		Indirect Forced Circulation	Flat Plate	102	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI440 - 120		Indirect Forced Circulation	Flat Plate	128	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI440 - 80		Indirect Forced Circulation	Flat Plate	128	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI444 - 120		Indirect Forced Circulation	Flat Plate	127	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI444 - 80		Indirect Forced Circulation	Flat Plate	127	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI450 - 120		Indirect Forced Circulation	Flat Plate	160	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI450 - 80		Indirect Forced Circulation	Flat Plate	160	0.96	20.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI454 - 120		Indirect Forced Circulation	Flat Plate	160	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSX62 ACI454 - 80		Indirect Forced Circulation	Flat Plate	160	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE150 - 80		Direct Forced Circulation	Flat Plate	40	0.50	1.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE220 - 120		Direct Forced Circulation	Flat Plate	51	0.57	2.1	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE220 - 80		Direct Forced Circulation	Flat Plate	51	0.59	2.2	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE240 - 120		Direct Forced Circulation	Flat Plate	64	0.68	2.8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE240 - 80		Direct Forced Circulation	Flat Plate	64	0.70	3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE244 - 120		Direct Forced Circulation	Flat Plate	64	0.65	2.6	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE244 - 80		Direct Forced Circulation	Flat Plate	64	0.68	2.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE250 - 120		Direct Forced Circulation	Flat Plate	80	0.79	4.3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE250 - 80		Direct Forced Circulation	Flat Plate	80	0.82	4.9	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE254 - 120		Direct Forced Circulation	Flat Plate	80	0.76	3.8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE254 - 80		Direct Forced Circulation	Flat Plate	80	0.80	4.4	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE320 - 120		Direct Forced Circulation	Flat Plate	76	0.74	3.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE320 - 80		Direct Forced Circulation	Flat Plate	76	0.79	4.3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE340 - 120		Direct Forced Circulation	Flat Plate	96	0.88	7.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE340 - 80		Direct Forced Circulation	Flat Plate	96	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE344 - 120		Direct Forced Circulation	Flat Plate	96	0.87	6.7	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE344 - 80		Direct Forced Circulation	Flat Plate	96	0.87	6.7	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE350 - 120		Direct Forced Circulation	Flat Plate	120	0.88	7.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE350 - 80		Direct Forced Circulation	Flat Plate	120	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE354 - 120		Direct Forced Circulation	Flat Plate	120	0.88	7.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE354 - 80		Direct Forced Circulation	Flat Plate	120	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE420 - 120		Direct Forced Circulation	Flat Plate	102	0.88	7.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE420 - 80		Direct Forced Circulation	Flat Plate	102	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE440 - 120		Direct Forced Circulation	Flat Plate	128	0.88	7.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE440 - 80		Direct Forced Circulation	Flat Plate	128	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE444 - 120		Direct Forced Circulation	Flat Plate	127	0.88	7.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE444 - 80		Direct Forced Circulation	Flat Plate	127	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE450 - 120		Direct Forced Circulation	Flat Plate	160	0.89	8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE450 - 80		Direct Forced Circulation	Flat Plate	160	0.89	8.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE454 - 120		Direct Forced Circulation	Flat Plate	160	0.89	8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
American Solar	SSY62 ACE454 - 80		Direct Forced Circulation	Flat Plate	160	0.89	8.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011

Product Brand	Model	SRCC Certification Number	System Type	Collector Type	Collector Panel Area (sq feet)	Solar Fraction (SF)	Solar Energy Factor (SEF)	Freeze Tolerance Limit (F)	Solar Tank Volume	Auxiliary Type	Auxillary Volume	Auxillary Input (kW)	Auxillary Input (MBTUH)	Min Warranty Collector (years)	Min Warranty - Tank (years)	Min Warranty - Controls (years)	Min Warranty - Parts (years)	Active	Active Date	Qualified Date
Bosch Thermotechnology Corporation	Bosch FKC (2) OEM Electric S1	2009121C	Indirect Forced Circulation	Flat Plate	52	0.53	1.9	-35	80	Tank	0	4.5		10	6	2	1	Yes		8/9/2010
Bosch Thermotechnology Corporation	Bosch FKC(3)OEM Electric S3	2009121E	Indirect Forced Circulation	Flat Plate	78	0.57	2.1	-35	120	Tank	0	4.5		10	6	2	1	Yes		8/9/2010
Bosch Thermotechnology Corporation	Bosch FKT(2)OEM Electric S11	2009121M	Indirect Forced Circulation	Flat Plate	52	0.55	2	-35	80	Tank	0	4.5		10	6	2	1	Yes		8/9/2010
Bosch Thermotechnology Corporation	Bosch FKT(3)OEM Electric S12	2009121N	Indirect Forced Circulation	Flat Plate	78	0.75	2.2	-35	120	Tank	0	4.5		10	6	2	1	Yes		8/10/2010
Bosch Thermotechnology Corporation	Buderus Logasol S10	2009121B	Indirect Forced Circulation	Flat Plate	78	0.57	2.1	-35	80	Tank	0	4.5		10	6	2	1	Yes		8/9/2010
Bosch Thermotechnology Corporation	Buderus Logasol S17	2009121I	Indirect Forced Circulation	Flat Plate	52	0.55	2	-35	80	Tank	0	4.5		10	6	2	1	Yes		8/9/2010
Bosch Thermotechnology Corporation	Buderus Logasol S18	2009121J	Indirect Forced Circulation	Flat Plate	78	0.76	2.3	-35	120	Tank	0	4.5		10	6	2	1	Yes		8/10/2010
Bosch Thermotechnology Corporation	Buderus Logasol S9	2009121A	Indirect Forced Circulation	Flat Plate	52	0.53	1.9	-35	80	Tank	0	4.5		10	6	2	1	Yes		8/9/2010
Caleffi Solar	NAS30020-1E	2009105A	Indirect Forced Circulation	Flat Plate	51	0.57	2.1	-59	50	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30020-1P10E	2009105C	Indirect Forced Circulation	Flat Plate	80	0.75	3.6	-59	50	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30020-1P10S	2009104C	Indirect Forced Circulation	Flat Plate	80	0.82	5	-59	50	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30020-1P8E	2009105B	Indirect Forced Circulation	Flat Plate	64	0.65	2.6	-59	50	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30020-1P8S	2009104B	Indirect Forced Circulation	Flat Plate	64	0.72	3.2	-59	50	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30020-1S	2009104A	Indirect Forced Circulation	Flat Plate	51	0.63	2.4	-59	50	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30020-P10S	2009030C	Indirect Forced Circulation	Flat Plate	40	0.50	1.8	-59	50	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-1E	2009109A	Indirect Forced Circulation	Flat Plate	76	0.71	3.1	-59	80	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-1P10E	2009109C	Indirect Forced Circulation	Flat Plate	119	0.92	11.2	-59	80	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-1P10S	2009108C	Indirect Forced Circulation	Flat Plate	119	0.95	19.3	-59	80	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-1P8E	2009109B	Indirect Forced Circulation	Flat Plate	96	0.82	4.9	-59	80	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-1P8S	2009108B	Indirect Forced Circulation	Flat Plate	96	0.94	14.7	-59	80	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-1S	2009108A	Indirect Forced Circulation	Flat Plate	76	0.82	5	-59	80	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-E	2009095A	Indirect Forced Circulation	Flat Plate	51	0.57	2.1	-59	80	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-P10E	2009095C	Indirect Forced Circulation	Flat Plate	80	0.74	3.4	-59	80	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-P10S	2009093C	Indirect Forced Circulation	Flat Plate	80	0.83	5.3	-59	80	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-P8E	2009095B	Indirect Forced Circulation	Flat Plate	64	0.65	2.6	-59	80	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-P8S	2009093B	Indirect Forced Circulation	Flat Plate	64	0.74	3.4	-59	80	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30040-S	2009093A	Indirect Forced Circulation	Flat Plate	51	0.63	2.4	-59	80	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-1E	2009114A	Indirect Forced Circulation	Flat Plate	101	0.80	4.6	-59	119	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-1P10E	2009114C	Indirect Forced Circulation	Flat Plate	159	0.95	19.3	-59	119	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-1P10S	2009113C	Indirect Forced Circulation	Flat Plate	159	0.95	19.3	-59	119	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-1P8E	2009114B	Indirect Forced Circulation	Flat Plate	128	0.90	9.3	-59	119	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-1P8S	2009113B	Indirect Forced Circulation	Flat Plate	128	0.95	19.3	-59	119	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-1S	2009113A	Indirect Forced Circulation	Flat Plate	101	0.92	11	-59	119	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-E	2009103A	Indirect Forced Circulation	Flat Plate	76	0.68	2.8	-59	119	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-P10E	2009103C	Indirect Forced Circulation	Flat Plate	119	0.88	7.4	-59	119	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-P10S	2009099C	Indirect Forced Circulation	Flat Plate	119	0.95	19.3	-59	119	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-P8E	2009103B	Indirect Forced Circulation	Flat Plate	96	0.77	3.9	-59	119	Tank	50	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-P8S	2009099B	Indirect Forced Circulation	Flat Plate	96	0.87	6.7	-59	119	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Caleffi Solar	NAS30060-S	2009099A	Indirect Forced Circulation	Flat Plate	76	0.75	3.6	-59	119	Tank	0	4.5		10	6	2	2	Yes	10/27/2010	10/27/2010
Cirrex	SACE 01 100501 - 80		Direct Forced Circulation	Flat Plate	40	0.50	1.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 02 100202 - 120		Direct Forced Circulation	Flat Plate	51	0.57	2.1	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 02 100202 - 80		Direct Forced Circulation	Flat Plate	51	0.59	2.2	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 02 100402 - 120		Direct Forced Circulation	Flat Plate	64	0.68	2.8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 02 100402 - 80		Direct Forced Circulation	Flat Plate	64	0.70	3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 02 100442 - 120		Direct Forced Circulation	Flat Plate	64	0.65	2.6	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 02 100442 - 80		Direct Forced Circulation	Flat Plate	64	0.68	2.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 02 100502 - 120		Direct Forced Circulation	Flat Plate	80	0.79	4.3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 02 100502 - 80		Direct Forced Circulation	Flat Plate	80	0.82	4.9	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 02 100542 - 120		Direct Forced Circulation	Flat Plate	80	0.76	3.8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 02 100542 - 80		Direct Forced Circulation	Flat Plate	80	0.80	4.4	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 03 100203 - 120		Direct Forced Circulation	Flat Plate	76	0.74	3.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 03 100203 - 80		Direct Forced Circulation	Flat Plate	76	0.79	4.3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 03 100403 - 120		Direct Forced Circulation	Flat Plate	96	0.88	7.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 03 100403 - 80		Direct Forced Circulation	Flat Plate	96	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 03 100443 - 120		Direct Forced Circulation	Flat Plate	96	0.87	6.7	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 03 100443 - 80		Direct Forced Circulation	Flat Plate	96	0.87	6.7	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 03 100503 - 120		Direct Forced Circulation	Flat Plate	120	0.88	7.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 03 100503 - 80		Direct Forced Circulation	Flat Plate	120	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 03 100543 - 120		Direct Forced Circulation	Flat Plate	120	0.88	7.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 03 100543 - 80		Direct Forced Circulation	Flat Plate	120	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 04 100204 - 120		Direct Forced Circulation	Flat Plate	102	0.88	7.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 04 100204 - 80		Direct Forced Circulation	Flat Plate	102	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 04 100404 - 120		Direct Forced Circulation	Flat Plate	128	0.88	7.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 04 100404 - 80		Direct Forced Circulation	Flat Plate	128	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 04 100444 - 120		Direct Forced Circulation	Flat Plate	127	0.88	7.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 04 100444 - 80		Direct Forced Circulation	Flat Plate	127	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 04 100504 - 120		Direct Forced Circulation	Flat Plate	160	0.89	8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 04 100504 - 80		Direct Forced Circulation	Flat Plate	160	0.89	8.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 04 100544 - 120		Direct Forced Circulation	Flat Plate	160	0.89	8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACE 04 100544 - 80		Direct Forced Circulation	Flat Plate	160	0.89	8.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 01 200401 - 80		Indirect Forced Circulation	Flat Plate	32	0.50	1.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 01 200441 - 80		Indirect Forced Circulation	Flat Plate	32	0.50	1.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 01 200501 - 120		Indirect Forced Circulation	Flat Plate	40	0.53	1.9	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 01 200501 - 80		Indirect Forced Circulation	Flat Plate	40	0.59	2.2	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 01 200541 - 120		Indirect Forced Circulation	Flat Plate	40	0.50	1.8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 01 200541 - 80		Indirect Forced Circulation	Flat Plate	40	0.57	2.1	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 02 200202 - 120		Indirect Forced Circulation	Flat Plate	51	0.61	2.3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 02 200202 - 80		Indirect Forced Circulation	Flat Plate	51	0.70	3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 02 200402 - 120		Indirect Forced Circulation	Flat Plate	64	0.73	3.3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 02 200402 - 80		Indirect Forced Circulation	Flat Plate	64	0.83	5.3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 02 200442 - 120		Indirect Forced Circulation	Flat Plate	64	0.70	3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 02 200442 - 80		Indirect Forced Circulation	Flat Plate	64	0.80	4.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 02 200502 - 120		Indirect Forced Circulation	Flat Plate	80	0.84	5.6	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 02 200502 - 80		Indirect Forced Circulation	Flat Plate	80	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011

Product Brand	Model	SRCC Certification Number	System Type	Collector Type	Collector Panel Area (sq feet)	Solar Fraction (SF)	Solar Energy Factor (SEF)	Freeze Tolerance Limit (F)	Solar Tank Volume	Auxiliary Type	Auxillary Volume	Auxillary Input (kW)	Auxillary Input (MBTUH)	Min Warranty Collector (years)	Min Warranty - Tank (years)	Min Warranty - Controls (years)	Min Warranty - Parts (years)	Active	Active Date	Qualified Date
Cirrex	SACI 02 200542 - 120		Indirect Forced Circulation	Flat Plate	80	0.83	5.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 02 200542 - 80		Indirect Forced Circulation	Flat Plate	80	0.92	11.2	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 03 200203 - 120		Indirect Forced Circulation	Flat Plate	76	0.82	4.9	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 03 200203 - 80		Indirect Forced Circulation	Flat Plate	76	0.91	10.1	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 03 200403 - 120		Indirect Forced Circulation	Flat Plate	96	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 03 200403 - 80		Indirect Forced Circulation	Flat Plate	96	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 03 200443 - 120		Indirect Forced Circulation	Flat Plate	96	0.93	12.1	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 03 200443 - 80		Indirect Forced Circulation	Flat Plate	96	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 03 200503 - 120		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 03 200503 - 80		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 03 200543 - 120		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 03 200543 - 80		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 04 200204 - 120		Indirect Forced Circulation	Flat Plate	102	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 04 200204 - 80		Indirect Forced Circulation	Flat Plate	102	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 04 200404 - 120		Indirect Forced Circulation	Flat Plate	128	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 04 200404 - 80		Indirect Forced Circulation	Flat Plate	128	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 04 200444 - 120		Indirect Forced Circulation	Flat Plate	127	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 04 200444 - 80		Indirect Forced Circulation	Flat Plate	127	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 04 200504 - 120		Indirect Forced Circulation	Flat Plate	160	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 04 200504 - 80		Indirect Forced Circulation	Flat Plate	160	0.96	20.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 04 200544 - 120		Indirect Forced Circulation	Flat Plate	160	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
Cirrex	SACI 04 200544 - 80		Indirect Forced Circulation	Flat Plate	160	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
EagleSun Systems	DB-120-64		Direct Forced Circulation	Flat Plate	63	0.60	2.1							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DB-120-80		Direct Forced Circulation	Flat Plate	79	0.70	2.7							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DB-120-96		Direct Forced Circulation	Flat Plate	95	0.80	4							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DB-80-40		Direct Forced Circulation	Flat Plate	39	0.50	1.7							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DB-80-52		Direct Forced Circulation	Flat Plate	50	0.60	2							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DB-80-64		Direct Forced Circulation	Flat Plate	63	0.60	2.5							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DB-80-80		Direct Forced Circulation	Flat Plate	79	0.80	3.7							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DBS-120-64		Direct Forced Circulation	Flat Plate	64	0.61	2.3	-20	120	Tank	120	4.5	4.5	10	6	2	1	Yes	4/1/2010	6/16/2011
EagleSun Systems	DBS-120-80		Direct Forced Circulation	Flat Plate	80	0.72	3.2	-20	120	Tank	120	4.5	4.5	10	6	2	1	Yes	4/1/2010	6/16/2011
EagleSun Systems	DBS-120-96		Direct Forced Circulation	Flat Plate	96	0.83	5.4	-20	120	Tank	120	4.5	4.5	10	6	2	1	Yes	4/1/2010	6/16/2011
EagleSun Systems	DBS-80-52		Direct Forced Circulation	Flat Plate	51	0.55	2	-20	80	Tank	80	4.5	4.5	10	6	2	1	Yes	4/1/2010	6/16/2011
EagleSun Systems	DBS-80-64		Direct Forced Circulation	Flat Plate	64	0.65	2.6	-20	80	Tank	80	4.5	4.5	10	6	2	1	Yes	4/1/2010	6/16/2011
EagleSun Systems	DBS-80-80		Direct Forced Circulation	Flat Plate	80	0.76	3.8	-20	80	Tank	80	4.5	4.5	10	6	2	1	Yes	4/1/2010	6/16/2011
EagleSun Systems	DX-120-64		Direct Forced Circulation	Flat Plate	63	0.70	3.1							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DX-120-80		Direct Forced Circulation	Flat Plate	79	0.80	5.5							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DX-120-96		Direct Forced Circulation	Flat Plate	95	0.90	9.1							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DX-80-40		Direct Forced Circulation	Flat Plate	39	0.50	1.9							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DX-80-52		Direct Forced Circulation	Flat Plate	50	0.60	2.4							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DX-80-64		Direct Forced Circulation	Flat Plate	63	0.80	4							10	6	2	1	Yes	3/30/2009	3/30/2009
EagleSun Systems	DX-80-80		Direct Forced Circulation	Flat Plate	79	0.90	7.8							10	6	2	1	Yes	3/30/2009	3/30/2009
EnerWorks Appliance	EWRA1-E120-1T		Indirect Forced Circulation	Flat Plate	30	0.50	1.8							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA1-E80-1T		Indirect Forced Circulation	Flat Plate	30	0.50	1.8							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA2-E100		Indirect Forced Circulation	Flat Plate	61	0.60	2.2							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA2-E120-1T		Indirect Forced Circulation	Flat Plate	61	0.70	3.4							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA2-E80		Indirect Forced Circulation	Flat Plate	61	0.60	2.4							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA2-E80-1T		Indirect Forced Circulation	Flat Plate	61	0.80	3.7							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA3-E100		Indirect Forced Circulation	Flat Plate	92	0.70	2.6							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA3-E120		Indirect Forced Circulation	Flat Plate	92	0.60	2.5							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA3-E120-1T		Indirect Forced Circulation	Flat Plate	92	0.90	7.1							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA4-E120		Indirect Forced Circulation	Flat Plate	123	0.70	3.4							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA4-E120-1T		Indirect Forced Circulation	Flat Plate	123	1.00	47							10	6	2	5	Yes	1/7/2009	1/7/2009
EnerWorks Appliance	EWRA4-E144		Indirect Forced Circulation	Flat Plate	123	0.70	2.9							10	6	2	5	Yes	1/7/2009	1/7/2009
Ezinc	KG-300	2009002B	Indirect Thermosyphon	Flat Plate	49	0.57	2.1	-40	76	Tank	50	4.5		10	6	2	1	Yes	6/3/2010	6/3/2010
Fafco	AC-16UX6-50E		Direct Forced Circulation	Flat Plate	96	0.50	1.8	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	AC-16UX9-50E		Direct Forced Circulation	Flat Plate	144	0.53	1.9	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	AC-16UX9-80E		Direct Forced Circulation	Flat Plate	144	0.50	1.8	-20	0	Tank	80	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	AC-24UX4-50E		Direct Forced Circulation	Flat Plate	98	0.50	1.8	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	AC-24UX6-50E		Direct Forced Circulation	Flat Plate	146	0.53	1.9	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	AC-24UX6-80E		Direct Forced Circulation	Flat Plate	146	0.50	1.8	-20	0	Tank	80	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	PV-16UX6-50E		Direct Forced Circulation	Flat Plate	96	0.50	1.8	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	PV-16UX9-120E		Direct Forced Circulation	Flat Plate	144	0.50	1.8	-20	0	Tank	120	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	PV-16UX9-50E		Direct Forced Circulation	Flat Plate	144	0.53	1.9	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	PV-16UX9-80E		Direct Forced Circulation	Flat Plate	144	0.50	1.8	-20	0	Tank	80	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	PV-24UX4-50E		Direct Forced Circulation	Flat Plate	98	0.50	1.8	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	PV-24UX6-120E		Direct Forced Circulation	Flat Plate	146	0.50	1.8	-20	0	Tank	120	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	PV-24UX6-50E		Direct Forced Circulation	Flat Plate	146	0.53	1.9	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	PV-24UX6-80E		Direct Forced Circulation	Flat Plate	146	0.50	1.8	-20	0	Tank	80	4.5	4.5	10	6	2	1	Yes	1/5/2011	1/5/2011
Fafco	VDB-24UX2-120E		Direct Forced Circulation	Flat Plate	48	0.44	1.6	-20	0	Tank	120	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX2-50E		Direct Forced Circulation	Flat Plate	48	0.47	1.7	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX2-50E-50S		Direct Forced Circulation	Flat Plate	48	0.40	1.5	-20	50	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX2-50E-80S		Direct Forced Circulation	Flat Plate	48	0.40	1.5	-20	80	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX2-80E		Direct Forced Circulation	Flat Plate	48	0.47	1.7	-20	0	Tank	80	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX2-TE-120S		Direct Forced Circulation	Flat Plate	48	0.47	1.7	-20	120	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX2-TE-50S		Direct Forced Circulation	Flat Plate	48	0.47	1.7	-20	50	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX2-TE-80S		Direct Forced Circulation	Flat Plate	48	0.47	1.7	-20	80	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX4-120E		Direct Forced Circulation	Flat Plate	96	0.53	1.9	-20	0	Tank	120	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX4-50E		Direct Forced Circulation	Flat Plate	96	0.57	2.1	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX4-50E-50S		Direct Forced Circulation	Flat Plate	96	0.50	1.8	-20	50	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX4-50E-80S		Direct Forced Circulation	Flat Plate	96	0.40	1.5	-20	80	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX4-80E		Direct Forced Circulation	Flat Plate	96	0.55	2	-20	0	Tank	80	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX4-TE-120S		Direct Forced Circulation	Flat Plate	96	0.55	2	-20	120	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX4-TE-50S		Direct Forced Circulation	Flat Plate	96	0.57	2.1	-20	50	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010

Product Brand	Model	SRCC Certification Number	System Type	Collector Type	Collector Panel Area (sq feet)	Solar Fraction (SF)	Solar Energy Factor (SEF)	Freeze Tolerance Limit (F)	Solar Tank Volume	Auxiliary Type	Auxillary Volume	Auxillary Input (kW)	Auxillary Input (MBTUH)	Min Warranty Collector (years)	Min Warranty - Tank (years)	Min Warranty - Controls (years)	Min Warranty - Parts (years)	Active	Active Date	Qualified Date
Fafco	VDB-24UX4-TE-80S		Direct Forced Circulation	Flat Plate	96	0.57	2.1	-20	80	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX6-120E		Direct Forced Circulation	Flat Plate	144	0.57	2.1	-20	0	Tank	120	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX6-50E		Direct Forced Circulation	Flat Plate	144	0.61	2.3	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX6-50E-50S		Direct Forced Circulation	Flat Plate	144	0.53	1.9	-20	50	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX6-50E-80S		Direct Forced Circulation	Flat Plate	144	0.53	1.9	-20	80	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX6-80E		Direct Forced Circulation	Flat Plate	144	0.59	2.2	-20	0	Tank	80	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX6-TE-120S		Direct Forced Circulation	Flat Plate	144	0.61	2.3	-20	120	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX6-TE-50S		Direct Forced Circulation	Flat Plate	144	0.61	2.3	-20	50	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-24UX6-TE-80S		Direct Forced Circulation	Flat Plate	144	0.61	2.3	-20	80	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48U-120E		Direct Forced Circulation	Flat Plate	48	0.47	1.7	-20	0	Tank	120	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48U-50E		Direct Forced Circulation	Flat Plate	48	0.50	1.8	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48U-50E-50S		Direct Forced Circulation	Flat Plate	48	0.44	1.6	-20	50	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48U-50E-80S		Direct Forced Circulation	Flat Plate	48	0.44	1.6	-20	80	Tank	80	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48U-80E		Direct Forced Circulation	Flat Plate	48	0.50	1.8	-20	0	Tank	80	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48U-TE-120S		Direct Forced Circulation	Flat Plate	48	0.50	1.8	-20	120	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48U-TE-50S		Direct Forced Circulation	Flat Plate	48	0.50	1.8	-20	50	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48U-TE-80S		Direct Forced Circulation	Flat Plate	48	0.50	1.8	-20	80	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX2-120E		Direct Forced Circulation	Flat Plate	96	0.59	2.2	-20	0	Tank	120	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX2-50E		Direct Forced Circulation	Flat Plate	96	0.63	2.4	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX2-50E-50S		Direct Forced Circulation	Flat Plate	96	0.53	1.9	-20	50	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX2-50E-80S		Direct Forced Circulation	Flat Plate	96	0.53	1.9	-20	80	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX2-80E		Direct Forced Circulation	Flat Plate	96	0.61	2.3	-20	0	Tank	80	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX2-TE-120S		Direct Forced Circulation	Flat Plate	96	0.61	2.3	-20	120	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX2-TE-50S		Direct Forced Circulation	Flat Plate	96	0.63	2.4	-20	50	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX2-TE-80S		Direct Forced Circulation	Flat Plate	96	0.61	2.3	-20	80	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX3-120E		Direct Forced Circulation	Flat Plate	144	0.65	2.6	-20	0	Tank	120	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX3-50E		Direct Forced Circulation	Flat Plate	144	0.68	2.8	-20	0	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX3-50E-50S		Direct Forced Circulation	Flat Plate	144	0.59	2.2	-20	50	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX3-50E-80S		Direct Forced Circulation	Flat Plate	144	0.59	2.2	-20	80	Tank	50	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX3-80E		Direct Forced Circulation	Flat Plate	144	0.65	2.6	-20	0	Tank	80	4.5	4.5	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX3-TE-120S		Direct Forced Circulation	Flat Plate	144	0.67	2.7	-20	120	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX3-TE-50S		Direct Forced Circulation	Flat Plate	144	0.67	2.7	-20	50	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Fafco	VDB-48UX3-TE-80S		Direct Forced Circulation	Flat Plate	144	0.67	2.7	-20	80	Tankless	0	15	15	10	6	2	1	Yes	2/24/2010	2/24/2010
Freeze Safe	FS410-80-1	2008001A	Direct Forced Circulation	Flat Plate	42	0.55	2	-9	80	Tank	0	4.5		10	6	5	5	Yes	7/22/2010	7/22/2010
Heliodyne	HF23366G80ACDE		Direct Forced Circulation	Flat Plate	53	0.70	3							10	6	3	5	Yes	7/9/2009	7/9/2009
Heliodyne	HF23366G80ACSE		Direct Forced Circulation	Flat Plate	53	0.80	5							10	6	3	5	Yes	7/9/2009	7/9/2009
Heliodyne Inc	HF 1408 G 60 AC D E	2001024H	Direct Forced Circulation	Flat Plate	32	0.50	1.8	32	60	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1408 G 60 AC S E	2001023J	Direct Forced Circulation	Flat Plate	32	0.63	2.4	32	60	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HF 1408 G 60 PV D E	2009028A	Direct Forced Circulation	Flat Plate	32	0.53	1.9	32	60	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1408 G 60 PV S E	2009027A	Direct Forced Circulation	Flat Plate	32	0.64	2.5	32	60	Tank	0	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1408 G 80 AC S E	2001023A	Direct Forced Circulation	Flat Plate	32	0.57	2.1	32	80	Tank	0	4.5		10	6	3	5	Yes	10/4/2010	10/4/2010
Heliodyne Inc	HF 1408 P 60 AC S E	2001023L	Direct Forced Circulation	Flat Plate	32	0.57	2.1	32	60	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HF 1408 P 60 PV D E	2009028F	Direct Forced Circulation	Flat Plate	32	0.59	2.2	32	60	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1408 P 60 PV S E	2009027F	Direct Forced Circulation	Flat Plate	32	0.59	2.2	32	60	Tank	0	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1410 G 60 AC D E	2001024I	Direct Forced Circulation	Flat Plate	40	0.57	2.8	32	80	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1410 G 60 AC S E	2001023K	Direct Forced Circulation	Flat Plate	40	0.68	2.8	32	60	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HF 1410 G 60 PV D E	2009028D	Direct Forced Circulation	Flat Plate	40	0.61	2.3	32	60	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1410 G 60 PV S E	2009027D	Direct Forced Circulation	Flat Plate	40	0.72	3.2	32	60	Tank	0	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1410 G 80 AC D E	2001024A	Direct Forced Circulation	Flat Plate	40	0.57	2.1	32	80	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1410 G 80 AC S E	2001023B	Direct Forced Circulation	Flat Plate	40	0.69	2.9	32	80	Tank	0	4.5		10	6	3	5	Yes	10/4/2010	10/4/2010
Heliodyne Inc	HF 1410 P 60 AC D E	2001024M	Direct Forced Circulation	Flat Plate	40	0.53	1.9	32	60	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1410 P 60 AC S E	2001023O	Direct Forced Circulation	Flat Plate	40	0.63	2.4	32	60	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HF 1410 P 60 PV D E	2009028I	Direct Forced Circulation	Flat Plate	40	0.55	2	32	60	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1410 P 60 PV S E	2009027G	Direct Forced Circulation	Flat Plate	40	0.80	4.5	32	60	Tank	0	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 1410 P 60 PV S E	2009027I	Direct Forced Circulation	Flat Plate	40	0.67	2.7	32	60	Tank	0	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2408 G 120 AC D E	2001024D	Direct Forced Circulation	Flat Plate	65	0.76	3.8	32	120	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2408 G 120 AC S E	2001023F	Direct Forced Circulation	Flat Plate	65	0.89	7.9	32	120	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HF 2408 G 80 AC D E	2001024C	Direct Forced Circulation	Flat Plate	65	0.78	4	32	80	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2408 G 80 AC S E	2001023E	Direct Forced Circulation	Flat Plate	65	0.90	9	32	80	Tank	0	4.5		10	6	3	5	Yes	10/4/2010	10/4/2010
Heliodyne Inc	HF 2408 G 80 PV D E	2009028B	Direct Forced Circulation	Flat Plate	65	0.83	5.2	32	80	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2408 G 80 PV S E	2009027B	Direct Forced Circulation	Flat Plate	65	0.94	14.6	32	80	Tank	0	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2408 P 80 AC D E	2001024K	Direct Forced Circulation	Flat Plate	65	0.68	2.8	32	80	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2408 P 80 AC S E	2001023M	Direct Forced Circulation	Flat Plate	65	0.78	4	32	80	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HF 2408 P 80 PV D E	2009028G	Direct Forced Circulation	Flat Plate	65	0.72	3.2	32	80	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2410 G 120 AC D E	2001024E	Direct Forced Circulation	Flat Plate	80	0.88	7.7	32	120	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2410 G 120 AC S E	2001023G	Direct Forced Circulation	Flat Plate	80	0.98	41.8	32	120	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HF 2410 G 120 PV D E	2009028E	Direct Forced Circulation	Flat Plate	80	0.93	13.4	32	120	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2410 G 120 PV S E	2009027E	Direct Forced Circulation	Flat Plate	80	1.00	999.9	32	120	Tank	0	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2410 P 120 AC D E	2001024N	Direct Forced Circulation	Flat Plate	80	0.74	3.5	32	120	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2410 P 120 AC S E	2001023P	Direct Forced Circulation	Flat Plate	80	0.87	6.7	32	120	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HF 2410 P 120 PV S E	2009027H	Direct Forced Circulation	Flat Plate	80	1.00	999.9	32	120	Tank	0	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 2410 P 120 PV S E	2009027J	Direct Forced Circulation	Flat Plate	80	0.91	10	32	120	Tank	0	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 3408 G 120 AC D E	2001024F	Direct Forced Circulation	Flat Plate	97	0.91	10.2	32	120	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 3408 G 120 AC S E	2001023H	Direct Forced Circulation	Flat Plate	97	0.95	18.7	32	120	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HF 3408 G 120 PV D E	2009028C	Direct Forced Circulation	Flat Plate	97	1.00	999.9	32	120	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 3408 G 120 PV S E	2009027C	Direct Forced Circulation	Flat Plate	97	1.00	999.9	32	120	Tank	0	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 3408 P 120 AC D E	2001024L	Direct Forced Circulation	Flat Plate	97	0.78	4.1	32	120	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 3408 P 120 AC S E	2001023N	Direct Forced Circulation	Flat Plate	97	0.91	10.1	32	120	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HF 3408 P 120 PV D E	2009028H	Direct Forced Circulation	Flat Plate	97	0.88	7.6	32	120	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 3410 G 120 AC D E	2001024G	Direct Forced Circulation	Flat Plate	120	0.95	18.9	32	120	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HF 3410 G 160 AC S E	2001023I	Direct Forced Circulation	Flat Plate	120	0.95	18.7	32	160	Tank	0	4.5		10	6	3	5	Yes	10/11/2010	10/11/2010
Heliodyne Inc	HP 1410 G 120 AC S E	2001023C	Direct Forced Circulation	Flat Plate	32	0.65	2.6	32	120	Tank	0	4.5		10	6	3	5	Yes	10/4/2010	10/4/2010
Heliodyne Inc	HP 2410 P 120 PV D E	2009028J	Direct Forced Circulation	Flat Plate	80	0.80	4.5	32	120	Tank	50	4.5		10	6	3	5	Yes	10/13/2010	10/13/2010
Heliodyne Inc	HPAK 016 1 408 G 65 ACS	2009034A	Indirect Forced Circulation	Flat Plate	32	0.50	1.8	-60	65	Tank	0	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010

Product Brand	Model	SRCC Certification Number	System Type	Collector Type	Collector Panel Area (sq feet)	Solar Fraction (SF)	Solar Energy Factor (SEF)	Freeze Tolerance Limit (F)	Solar Tank Volume	Auxiliary Type	Auxillary Volume	Auxillary Input (kW)	Auxillary Input (MBTUH)	Min Warranty Collector (years)	Min Warranty - Tank (years)	Min Warranty - Controls (years)	Min Warranty - Parts (years)	Active	Active Date	Qualified Date
Heliodyne Inc	HPAK 016 1 408 G 80 ACS	2009034N	Indirect Forced Circulation	Flat Plate	32	0.50	1.8	-60	80	Tank	0	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 1 410 G 65 ACD	2009035A	Indirect Forced Circulation	Flat Plate	40	0.50	1.8	-60	65	Tank	50	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 1 410 G 80 ACD	2009035J	Indirect Forced Circulation	Flat Plate	40	0.50	1.8	-60	80	Tank	50	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 1 410 G 80 ACS	2009034B	Indirect Forced Circulation	Flat Plate	40	0.59	2.2	-60	80	Tank	0	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 2 406 G 120 ACS	2009034M	Indirect Forced Circulation	Flat Plate	54	0.68	2.8	-60	120	Tank	0	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 2 406 G 80 ACD	2009035H	Indirect Forced Circulation	Flat Plate	54	0.59	2.2	-60	80	Tank	50	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 2 406 G 80 ACS	2009034L	Indirect Forced Circulation	Flat Plate	54	0.71	3.1	-60	80	Tank	0	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 2 408 G 120 ACD	2009035C	Indirect Forced Circulation	Flat Plate	65	0.65	2.6	-60	120	Tank	50	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 2 408 G 120 ACS	2009034C	Indirect Forced Circulation	Flat Plate	65	0.78	4	-60	120	Tank	0	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 2 408 G 80 ACD	2009035B	Indirect Forced Circulation	Flat Plate	65	0.68	2.8	-60	80	Tank	50	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 2 410 G 120 ACD	2009035D	Indirect Forced Circulation	Flat Plate	80	0.77	3.9	-60	120	Tank	50	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
Heliodyne Inc	HPAK 016 2 410 G 120 ACS	2009034O	Indirect Forced Circulation	Flat Plate	80	0.90	8.6	-60	120	Tank	0	4.5		10	6	3	5	Yes	10/14/2010	10/14/2010
HTP	SSC-119SE		Indirect Forced Circulation	Flat Plate	63	0.80	3.8	0	0					10	6	2	1	Yes	9/2/2009	9/2/2009
HTP	SSC-50SE		Indirect Forced Circulation	Flat Plate	31	0.50	1.7	0	0					10	6	2	1	Yes	9/2/2009	9/2/2009
HTP	SSC-80SE		Indirect Forced Circulation	Flat Plate	39	0.50	1.8	0	0					10	6	2	1	Yes	9/2/2009	9/2/2009
HTP	SSU-119SE-DW		Indirect Forced Circulation	Flat Plate	63	0.60	2.3	0	0					10	6	2	1	Yes	9/2/2009	9/2/2009
HTP	SSU-60SE		Indirect Forced Circulation	Flat Plate	31	0.51	1.6	0	0					10	6	2	1	Yes	9/2/2009	9/2/2009
HTP	SSU-80SE		Indirect Forced Circulation	Batch	39	0.50	1.7	0	0					10	6	2	1	Yes	9/2/2009	9/2/2009
HTP	SSU-80SE-DW		Indirect Forced Circulation	Flat Plate	39	0.50	1.7	0	0					10	6	2	1	Yes	9/2/2009	9/2/2009
Integrated Solar, LLC	R-DBHX-12-120-D-80P		Indirect Forced Circulation	Flat Plate	79	0.60	2							10	6	3	1	Yes	9/10/2009	9/10/2009
Integrated Solar, LLC	R-DBHX-8-120S-80P		Indirect Forced Circulation	Flat Plate	79	0.60	2.5							10	6	3	1	Yes	9/10/2009	9/10/2009
Integrated Solar, LLC	R-DBHX-8-65S-40P		Indirect Forced Circulation	Flat Plate	39	0.50	1.7							10	6	3	1	Yes	9/10/2009	9/10/2009
Integrated Solar, LLC	R-DBHX-8-80-D-64P		Indirect Forced Circulation	Flat Plate	64	0.50	1.8							10	6	3	1	Yes	9/10/2009	9/10/2009
Integrated Solar, LLC	R-DBHX-8-80S-40C		Indirect Forced Circulation	Flat Plate	39	0.50	1.9							10	6	3	1	Yes	9/10/2009	9/10/2009
Integrated Solar, LLC	R-DBHX-8-80S-40P		Indirect Forced Circulation	Flat Plate	39	0.50	1.7							10	6	3	1	Yes	9/10/2009	9/10/2009
Integrated Solar, LLC	R-DBHX-8-80S-48C		Indirect Forced Circulation	Flat Plate	48	0.60	2.3							10	6	3	1	Yes	9/10/2009	9/10/2009
Integrated Solar, LLC	R-DBHX-8-80S-48P		Indirect Forced Circulation	Flat Plate	48	0.50	1.8							10	6	3	1	Yes	9/10/2009	9/10/2009
Integrated Solar, LLC	R-DBHX-8-80S-64P		Indirect Forced Circulation	Flat Plate	64	0.60	2.2							10	6	3	1	Yes	9/10/2009	9/10/2009
Kingspan Thermomax	HP200 30-R120		Indirect Forced Circulation	Evacuated Tube	46	0.50	1.8	-60	120	Tank	120	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 30-R80		Indirect Forced Circulation	Evacuated Tube	46	0.57	2.1	-60	80	Tank	80	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 40-R120		Indirect Forced Circulation	Evacuated Tube	61	0.64	2.5	-60	120	Tank	120	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 40-R80		Indirect Forced Circulation	Evacuated Tube	61	0.69	2.9	-60	80	Tank	80	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 50-R120		Indirect Forced Circulation	Evacuated Tube	152	0.75	3.6	-60	120	Tank	120	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 50-R80		Indirect Forced Circulation	Evacuated Tube	152	0.83	5.2	-60	80	Tank	80	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 60-R120		Indirect Forced Circulation	Evacuated Tube	92	0.88	7.7	-60	120	Tank	120	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 60-R80		Indirect Forced Circulation	Evacuated Tube	92	0.94	14.8	-60	80	Tank	80	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 70-R120		Indirect Forced Circulation	Evacuated Tube	107	0.94	14.8	-60	120	Tank	120	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 70-R80		Indirect Forced Circulation	Evacuated Tube	107	0.94	14.8	-60	80	Tank	80	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 80-R120		Indirect Forced Circulation	Evacuated Tube	122	0.94	14.8	-60	120	Tank	120	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 80-R80		Indirect Forced Circulation	Evacuated Tube	122	0.94	16.3	-60	80	Tank	80	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 90-R120		Indirect Forced Circulation	Evacuated Tube	46	0.95	16.4	-60	120	Tank	120	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Kingspan Thermomax	HP200 90-R80		Indirect Forced Circulation	Evacuated Tube	46	0.95	17.5	-60	80	Tank	80	4.5	4.5	20	6	2	1	Yes	1/26/2007	1/26/2007
Power Partners	100133C50		Direct Forced Circulation	Flat Plate	60	0.50	1.8							10	6	2	1	Yes	4/17/2009	4/17/2009
Power Partners	200132C50		Direct Forced Circulation	Flat Plate	40	0.60	2.2							10	6	2	1	Yes	4/17/2009	4/17/2009
Power Partners	200132C502TE		Direct Forced Circulation	Flat Plate	40	0.50	1.8							10	6	2	1	Yes	4/17/2009	4/17/2009
Power Partners	200132C50T20E		Direct Forced Circulation	Flat Plate	40	0.50	1.8							10	6	2	1	Yes	4/17/2009	4/17/2009
Power Partners	200132C80		Direct Forced Circulation	Flat Plate	40	0.60	2.1							10	6	2	1	Yes	4/17/2009	4/17/2009
Power Partners	200133C50		Direct Forced Circulation	Flat Plate	60	0.70	3.3							10	6	2	1	Yes	4/17/2009	4/17/2009
Power Partners	200133C80		Direct Forced Circulation	Flat Plate	60	0.70	3.1							10	6	2	1	Yes	4/17/2009	4/17/2009
Power Partners	200152C80EX		Indirect Forced Circulation	Flat Plate	40	0.50	1.7							10	6	2	1	Yes	4/17/2009	4/17/2009
Power Partners	200153C80EX		Indirect Forced Circulation	Flat Plate	60	0.60	2.1							10	6	2	1	Yes	4/17/2009	4/17/2009
Power Partners	200154C80EX		Indirect Forced Circulation	Flat Plate	80	0.70	2.6							10	6	2	1	Yes	4/17/2009	4/17/2009
Rheem	RS120-64BP		Indirect Forced Circulation	Flat Plate	64	0.60	3.2							10	6	2	1	Yes	7/14/2009	7/14/2009
Rheem	RS80-48BP		Indirect Forced Circulation	Flat Plate	48	0.60	2.6							10	6	2	1	Yes	7/14/2009	7/14/2009
Richmond	RMS120-64BP		Indirect Forced Circulation	Flat Plate	64	0.60	3.2							10	6	2	1	Yes	7/31/2009	7/31/2009
Richmond	RMS80-48BP		Indirect Forced Circulation	Flat Plate	48	0.60	2.6							10	6	2	1	Yes	7/31/2009	7/31/2009
Ruud	RUS120-64BP		Indirect Forced Circulation	Flat Plate	64	0.60	3.2							10	6	2	1	Yes	7/31/2009	7/31/2009
Ruud	RUS80-48BP		Indirect Forced Circulation	Flat Plate	48	0.60	2.6							10	6	2	1	Yes	7/31/2009	7/31/2009
Schuco USA L.P.	Premium II- 75E	2010003A	Indirect Forced Circulation	Flat Plate	58	0.80	4.4	-40	80		0	4.5		10	6	2	1	Yes	6/8/2010	6/8/2010
Schuco USA L.P.	Premium III- 115E	2010003B	Indirect Forced Circulation	Flat Plate	87	0.94	15.7	-40	115		0	4.5		10	6	2	1	Yes	6/8/2010	6/8/2010
Schuco USA L.P.	Slimline II-75E	2010005A	Indirect Forced Circulation	Flat Plate	50	0.73	3.3	-40	75		0	4.5		10	6	2	1	Yes	6/8/2010	6/8/2010
Schuco USA L.P.	Slimline III- 115E	2010002B	Indirect Forced Circulation	Flat Plate	75	0.93	12	-40	115		0	4.5		10	6	2	1	Yes	6/8/2010	6/8/2010
Solahart	270SL-2Bt	2004012A	Direct Forced Circulation	Flat Plate	43	0.65	2.6	41	71	Tank	0	4.8		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	270SL-2L	2004012B	Direct Forced Circulation	Flat Plate	43	0.50	1.8	41	71	Tank	0	4.8		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	270SL-3Bt	2004012C	Direct Forced Circulation	Flat Plate	64	0.85	6.1	41	71	Tank	0	4.8		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	270SL-3L	2004012D	Direct Forced Circulation	Flat Plate	64	0.63	2.4	41	71	Tank	0	4.8		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	303J Free Heat	2001010E	Indirect Thermosyphon	Flat Plate	64	0.50	1.8	19	80	Tank	0	2.4		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	303KF Free Heat	2001011G	Indirect Thermosyphon	Flat Plate	64	0.61	2.3	19	80	Tank	0	2.4		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	303L	2001009C	Direct Thermosyphon	Flat Plate	64	0.59	2.2	41	80	Tank	0	2.4		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	340SL-2Bt	2004012E	Direct Forced Circulation	Flat Plate	43	0.64	2.5	41	90	Tank	0	2.4		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	340SL-2L	2004012F	Direct Forced Circulation	Flat Plate	43	0.50	1.8	41	90	Tank	0	2.4		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	340SL-3Bt	2004012G	Direct Forced Circulation	Flat Plate	64	0.83	5.3	41	90	Tank	0	2.4		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	340SL-3L	2004012H	Direct Forced Circulation	Flat Plate	64	0.61	2.3	41	90	Tank	0	2.4		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	430SL-2Bt	2004012I	Direct Forced Circulation	Flat Plate	43	0.63	2.4	41	114	Tank	0	4.8		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	430SL-3Bt	2004012L	Direct Forced Circulation	Flat Plate	64	0.59	2.2	41	114	Tank	0	4.8		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	430SL-3L	2004012L	Direct Forced Circulation	Flat Plate	64	0.59	2.2	41	114	Tank	0	4.8		10	6	2	2	Yes	9/29/2010	9/29/2010
Solahart	443KF Free Heat	2001011I	Indirect Thermosyphon	Flat Plate	64	0.55	2	19	116	Tank	0	4.8		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	443L	2001009D	Direct Thermosyphon	Flat Plate	64	0.53	1.9	41	116	Tank	0	4.8		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	444J Free Heat	2001010I	Indirect Thermosyphon	Flat Plate	85	0.53	1.9	19	116	Tank	0	4.8		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	444KF Free Heat	2001011K	Indirect Thermosyphon	Flat Plate	85	0.69	2.9	19	116	Tank	0	4.8		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	444L	2001009E	Direct Thermosyphon	Flat Plate	85	0.61	2.3	41	116	Tank	0	4.8		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	ASE 302KF Free Heat	2001014E	Indirect Thermosyphon	Flat Plate	43	0.53	1.9	19	80	Tank	0	2.4		10	10	2	5	Yes	9/29/2010	9/29/2010
Solahart	ASE 303J Free Heat	2001013E	Indirect Thermosyphon	Flat Plate	64	0.53	1.9	19	80	Tank	0	2.4		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	ASE 303KF Free Heat	2001014G	Indirect Thermosyphon	Flat Plate	64	0.63	2.4	19	80	Tank	0	2.4		10	10	2	5	Yes	9/29/2010	9/29/2010

Product Brand	Model	SRCC Certification Number	System Type	Collector Type	Collector Panel Area (sq feet)	Solar Fraction (SF)	Solar Energy Factor (SEF)	Freeze Tolerance Limit (F)	Solar Tank Volume	Auxiliary Type	Auxillary Volume	Auxillary Input (kW)	Auxillary Input (MBTUH)	Min Warranty Collector (years)	Min Warranty - Tank (years)	Min Warranty - Controls (years)	Min Warranty - Parts (years)	Active	Active Date	Qualified Date
Solahart	ASE 303L	2001012C	Direct Thermosyphon	Flat Plate	64	0.57	2.1	41	80	Tank	0	2.4		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	ASE 443J Free Heat	2001013G	Indirect Thermosyphon	Flat Plate	64	0.53	1.9	19	116	Tank	0	4.8		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	ASE 443KF Free Heat	2001014I	Indirect Thermosyphon	Flat Plate	64	0.61	2.3	19	116	Tank	0	4.8		10	10	2	5	Yes	9/29/2010	9/29/2010
Solahart	ASE 443L	2001012D	Direct Thermosyphon	Flat Plate	64	0.55	2	41	116	Tank	0	4.8		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	ASE 444J Free Heat	2001013I	Indirect Thermosyphon	Flat Plate	85	0.57	2.1	19	116	Tank	0	4.8		10	10	2	5	Yes	9/28/2010	9/28/2010
Solahart	ASE 444KF Free Heat	2001014K	Indirect Thermosyphon	Flat Plate	85	0.69	2.9	19	116	Tank	0	4.8		10	10	2	5	Yes	9/29/2010	9/29/2010
Solahart	ASE 444L	2001012E	Direct Thermosyphon	Flat Plate	85	0.61	2.3	41	116	Tank	0	4.8		10	10	2	5	Yes	9/28/2010	9/28/2010
Solene	SLCO64DC-120DB-XE		Indirect Forced Circulation	Flat Plate	63	0.55	2	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCO64DC-120HE-XE		Indirect Forced Circulation	Flat Plate	63	0.57	2.1	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCO64DC-80DB-XE		Indirect Forced Circulation	Flat Plate	63	0.61	2.3	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCO64DC-80HE-XE		Indirect Forced Circulation	Flat Plate	63	0.63	2.4	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCO80DC-120DB-XE		Indirect Forced Circulation	Flat Plate	77	0.63	2.4	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCO80DC-120HE-XE		Indirect Forced Circulation	Flat Plate	77	0.64	2.5	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCO80DC-80DB-XE		Indirect Forced Circulation	Flat Plate	77	0.70	3	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCO80DC-80HE-XE		Indirect Forced Circulation	Flat Plate	77	0.70	3	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCR32DC-66		Direct Forced Circulation	Flat Plate	32	0.57	2.1	20	65	Tank	0	4.5		10	6	2	1	Yes	2/1/2010	2/1/2010
Solene	SLCR64DC-120DB-XE		Indirect Forced Circulation	Flat Plate	64	0.55	2	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCR64DC-120HE-XE		Indirect Forced Circulation	Flat Plate	64	0.57	2.1	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCR64DC-80DB-XE		Indirect Forced Circulation	Flat Plate	64	0.61	2.3	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCR64DC-80HE-XE		Indirect Forced Circulation	Flat Plate	64	0.64	2.5	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCR80DC-120DB-XE		Indirect Forced Circulation	Flat Plate	80	0.63	2.4	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCR80DC-120HE-XE		Indirect Forced Circulation	Flat Plate	120	0.65	2.6	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCR80DC-80DB-XE		Indirect Forced Circulation	Flat Plate	80	0.70	3	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solene	SLCR80DC-80HE-XE		Indirect Forced Circulation	Flat Plate	80	0.72	3.2	0	0		0	0		10	6	2	1	Yes	7/28/2009	7/28/2009
Solvelox DB	S-SV-DB100P40	2007008H	Direct Forced Circulation	Flat Plate	39	0.50	1.8	-10	80		0	4,500		10	6	2	1	Yes		4/25/2011
Solvelox DB	S-SV-DB100P52	2007008I	Direct Forced Circulation	Flat Plate	53	0.64	2.5	-10	80		0	4,500		10	6	2	1	Yes		4/25/2011
Solvelox DB	S-SV-DB100P64		Indirect Forced Circulation	Flat Plate	63	0.77	3.9							10	6	2	2	Yes	12/11/2009	12/11/2009
Solvelox DB	S-SV-DB64-120	2007008J	Direct Forced Circulation	Flat Plate	64	0.74	3.5	-10	120		0	4,500		10	6	2	1	Yes		4/25/2011
Solvelox DB	S-SV-DB80-120	2007008K	Direct Forced Circulation	Flat Plate	79	0.90	8.9	-10	120		0	4,500		10	6	2	1	Yes		4/25/2011
Solvelox DB	S-SV-DBET60		Indirect Forced Circulation	Evacuated Tube	87	0.92	11							10	6	2	2	Yes	12/11/2009	12/11/2009
Solvelox DB	S-SV-DBET60-120		Indirect Forced Circulation	Evacuated Tube	87	0.92	11							10	6	2	2	Yes	12/11/2009	12/11/2009
Solvelox Glycol	S-SV-DBS64	2007008M	Direct Forced Circulation	Flat Plate	64	0.64	2.5	-10	80		0	4,500		10	6	2	1	Yes		4/25/2011
Solvelox Glycol	S-SV-G100ET		Indirect Forced Circulation	Evacuated Tube	87	0.92	11.1							10	6	2	2	Yes	12/11/2009	12/11/2009
Solvelox Glycol	S-SV-GC100P52	2007018I	Direct Forced Circulation	Flat Plate	53	0.68	2.8	-30	80		0	4,500		10	6	2	1	Yes		4/25/2011
Solvelox Glycol	S-SV-GC100P64		Indirect Forced Circulation	Flat Plate	63	0.81	4.7							10	6	2	2	Yes	12/11/2009	12/11/2009
Solvelox Glycol	S-SV-GET30		Indirect Forced Circulation	Evacuated Tube	43	0.53	1.9							10	6	2	2	Yes	12/11/2009	12/11/2009
Solvelox Glycol	S-SV-GP64-120	2007018J	Direct Forced Circulation	Flat Plate	64	0.77	3.9	-30	120		0	4,500		10	6	2	1	Yes		4/25/2011
Solvelox Glycol	S-SV-GP80-120	2007018K	Direct Forced Circulation	Flat Plate	79	0.91	10.1	-30	120		0	4,500		10	6	2	1	Yes		4/25/2011
Solvelox Glycol	S-SV-GS40	2007018L	Direct Forced Circulation	Flat Plate	39	0.55	2	-30	80		0	4,500		10	6	2	1	Yes		4/25/2011
Solvelox Glycol	S-SV-GS64	2007018M	Direct Forced Circulation	Flat Plate	32	0.65	2.6	-30	80		0	4,500		10	6	2	1	Yes		4/25/2011
State Solar	SS X 01ACE501 - 80		Direct Forced Circulation	Flat Plate	40	0.50	1.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 01ACI401 - 80		Indirect Forced Circulation	Flat Plate	32	0.50	1.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 01ACI441 - 80		Indirect Forced Circulation	Flat Plate	32	0.50	1.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 01ACI501 - 120		Indirect Forced Circulation	Flat Plate	40	0.53	1.9	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 01ACI501 - 80		Indirect Forced Circulation	Flat Plate	40	0.59	2.2	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 01ACI541 - 120		Indirect Forced Circulation	Flat Plate	40	0.50	1.8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 01ACI541 - 80		Indirect Forced Circulation	Flat Plate	40	0.57	2.1	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACE202 - 120		Direct Forced Circulation	Flat Plate	51	0.57	2.1	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACE202 - 80		Direct Forced Circulation	Flat Plate	51	0.59	2.2	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACE402 - 120		Direct Forced Circulation	Flat Plate	64	0.68	2.8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACE402 - 80		Direct Forced Circulation	Flat Plate	64	0.70	3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACE442 - 120		Direct Forced Circulation	Flat Plate	64	0.65	2.6	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACE442 - 80		Direct Forced Circulation	Flat Plate	64	0.68	2.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACE502 - 120		Direct Forced Circulation	Flat Plate	80	0.79	4.3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACE502 - 80		Direct Forced Circulation	Flat Plate	80	0.82	4.9	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACE542 - 120		Direct Forced Circulation	Flat Plate	80	0.76	3.8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACE542 - 80		Direct Forced Circulation	Flat Plate	80	0.80	4.4	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACI202 - 120		Indirect Forced Circulation	Flat Plate	51	0.61	2.3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACI202 - 80		Indirect Forced Circulation	Flat Plate	51	0.70	3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACI402 - 120		Indirect Forced Circulation	Flat Plate	64	0.73	3.3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACI402 - 80		Indirect Forced Circulation	Flat Plate	64	0.83	5.3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACI442 - 120		Indirect Forced Circulation	Flat Plate	64	0.70	3	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACI442 - 80		Indirect Forced Circulation	Flat Plate	64	0.80	4.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACI502 - 120		Indirect Forced Circulation	Flat Plate	80	0.84	5.6	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACI502 - 80		Indirect Forced Circulation	Flat Plate	80	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACI542 - 120		Indirect Forced Circulation	Flat Plate	80	0.83	5.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 02ACI542 - 80		Indirect Forced Circulation	Flat Plate	80	0.92	11.2	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACE203 - 120		Direct Forced Circulation	Flat Plate	76	0.74	3.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACE203 - 80		Direct Forced Circulation	Flat Plate	76	0.79	4.3	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACE403 - 120		Direct Forced Circulation	Flat Plate	96	0.88	7.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACE403 - 80		Direct Forced Circulation	Flat Plate	96	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACE443 - 120		Direct Forced Circulation	Flat Plate	96	0.87	6.7	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACE443 - 80		Direct Forced Circulation	Flat Plate	96	0.87	6.7	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACE503 - 120		Direct Forced Circulation	Flat Plate	120	0.88	7.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACE503 - 80		Direct Forced Circulation	Flat Plate	120	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACE543 - 120		Direct Forced Circulation	Flat Plate	120	0.88	7.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACE543 - 80		Direct Forced Circulation	Flat Plate	120	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACI203 - 120		Indirect Forced Circulation	Flat Plate	76	0.82	4.9	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACI203 - 80		Indirect Forced Circulation	Flat Plate	76	0.91	10.1	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACI403 - 120		Indirect Forced Circulation	Flat Plate	96	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACI403 - 80		Indirect Forced Circulation	Flat Plate	96	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACI443 - 120		Indirect Forced Circulation	Flat Plate	96	0.93	12.1	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACI443 - 80		Indirect Forced Circulation	Flat Plate	96	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACI503 - 120		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011

Product Brand	Model	SRCC Certification Number	System Type	Collector Type	Collector Panel Area (sq feet)	Solar Fraction (SF)	Solar Energy Factor (SEF)	Freeze Tolerance Limit (F)	Solar Tank Volume	Auxiliary Type	Auxillary Volume	Auxillary Input (kW)	Auxillary Input (MBTUH)	Min Warranty Collector (years)	Min Warranty - Tank (years)	Min Warranty - Controls (years)	Min Warranty - Parts (years)	Active	Active Date	Qualified Date
State Solar	SS X 03ACI503 - 80		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACI543 - 120		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 03ACI543 - 80		Indirect Forced Circulation	Flat Plate	120	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACE204 - 120		Direct Forced Circulation	Flat Plate	102	0.88	7.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACE204 - 80		Direct Forced Circulation	Flat Plate	102	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACE404 - 120		Direct Forced Circulation	Flat Plate	128	0.88	7.5	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACE404 - 80		Direct Forced Circulation	Flat Plate	128	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACE444 - 120		Direct Forced Circulation	Flat Plate	127	0.88	7.4	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACE444 - 80		Direct Forced Circulation	Flat Plate	127	0.88	7.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACE504 - 120		Direct Forced Circulation	Flat Plate	160	0.89	8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACE504 - 80		Direct Forced Circulation	Flat Plate	160	0.89	8.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACE544 - 120		Direct Forced Circulation	Flat Plate	160	0.89	8	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACE544 - 80		Direct Forced Circulation	Flat Plate	160	0.89	8.5	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACI204 - 120		Indirect Forced Circulation	Flat Plate	102	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACI204 - 80		Indirect Forced Circulation	Flat Plate	102	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACI404 - 120		Indirect Forced Circulation	Flat Plate	128	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACI404 - 80		Indirect Forced Circulation	Flat Plate	128	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACI444 - 120		Indirect Forced Circulation	Flat Plate	127	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACI444 - 80		Indirect Forced Circulation	Flat Plate	127	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACI504 - 120		Indirect Forced Circulation	Flat Plate	160	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACI504 - 80		Indirect Forced Circulation	Flat Plate	160	0.96	20.8	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACI544 - 120		Indirect Forced Circulation	Flat Plate	160	0.95	20	-30	120					10	6	2	1	Yes	1/7/2011	5/6/2011
State Solar	SS X 04ACI544 - 80		Indirect Forced Circulation	Flat Plate	160	0.95	20	-30	80					10	6	2	1	Yes	1/7/2011	5/6/2011
Stiebel Eltron	SOLKIT-2-ET		Direct Forced Circulation	Flat Plate	29	0.55	2							10	10	2	1	Yes	7/24/2009	7/24/2009
Stiebel Eltron	SOLKIT-2-ETK		Direct Forced Circulation	Flat Plate	29	0.53	1.9							10	10	2	1	Yes	7/24/2009	7/24/2009
Stiebel Eltron	SOLKIT-3-ET		Direct Forced Circulation	Flat Plate	29	0.66	2.7							10	10	2	1	Yes	7/24/2009	7/24/2009
Stiebel Eltron	SOLKIT-3-ETK		Direct Forced Circulation	Flat Plate	29	0.68	2.8							10	10	2	1	Yes	7/24/2009	7/24/2009
SunEarth	ECRD-40-80	2001026B	Indirect Forced Circulation	Flat Plate	41	0.57	2.1	-50	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	ECRD-48-80	2001026F	Indirect Forced Circulation	Flat Plate	50	0.63	2.4	-50	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	ECRD-48-80-2	2001027F	Indirect Forced Circulation	Flat Plate	50	0.53	1.9	-50	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	ECRD-64-80	2001026H	Indirect Forced Circulation	Flat Plate	66	0.76	3.7	-50	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	ECRD-64-80-2	2001027H	Indirect Forced Circulation	Flat Plate	66	0.64	2.5	-50	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	EPGX116-64-2	2001004J	Indirect Thermosyphon	Flat Plate	66	0.53	1.9	15	116	Tank	50	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	EPGX116-80-2	2001004L	Indirect Thermosyphon	Flat Plate	82	0.59	2.2	15	116	Tank	50	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	EPGX80-63-2	2001004G	Indirect Thermosyphon	Flat Plate	74	0.50	1.8	15	80	Tank	20	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	EPGX80-64-2	2001004H	Indirect Thermosyphon	Flat Plate	66	0.53	1.9	15	80	Tank	50	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	EPRD-40-80	2001026A	Indirect Forced Circulation	Flat Plate	41	0.55	2	-50	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	EPRD-42-80	2001026C	Indirect Forced Circulation	Flat Plate	42	0.55	2	-50	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	EPRD-48-80	2001026E	Indirect Forced Circulation	Flat Plate	49	0.59	2.2	-50	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	EPRD-48-80-2	2001027E	Indirect Forced Circulation	Flat Plate	49	0.50	1.8	-50	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	EPRD-64-80	2001026G	Indirect Forced Circulation	Flat Plate	66	0.72	3.2	-50	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	EPRD-64-80-2	2001027G	Indirect Forced Circulation	Flat Plate	66	0.61	2.3	-50	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	HX40P-80	1995001E	Indirect Forced Circulation	Flat Plate	41	0.57	2.1	-28	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	HX64P-120	1995001K	Indirect Forced Circulation	Flat Plate	66	0.73	3.3	-28	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF40C-80S	2010009A	Direct Forced Circulation	Flat Plate	41	0.64	2.5	41	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF40P-120S	2010008D	Direct Forced Circulation	Flat Plate	41	0.57	2.1	41	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF40P-80S	2010008A	Direct Forced Circulation	Flat Plate	41	0.61	2.3	41	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF48C-80S	2010009B	Direct Forced Circulation	Flat Plate	50	0.70	3	41	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF48P-120S	2010008E	Direct Forced Circulation	Flat Plate	49	0.64	2.5	41	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF48P-80S	2010008B	Direct Forced Circulation	Flat Plate	49	0.68	2.8	41	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF64C-120S	2010009F	Direct Forced Circulation	Flat Plate	66	0.53	1.9	41	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF64C-80S	2010009C	Direct Forced Circulation	Flat Plate	66	0.86	6.5	41	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF64P-120S	2010008F	Direct Forced Circulation	Flat Plate	66	0.79	4.3	41	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF64P-80S	2010008C	Direct Forced Circulation	Flat Plate	66	0.82	5	41	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF80C-120S	2010009G	Direct Forced Circulation	Flat Plate	82	0.65	2.6	41	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF80P-120S	2010008G	Direct Forced Circulation	Flat Plate	82	0.92	10.6	41	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF96C-120S	2010009H	Direct Forced Circulation	Flat Plate	99	0.76	3.7	41	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	NF96P-120S	2010008H	Direct Forced Circulation	Flat Plate	99	0.95	18.7	41	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE32C-80-1	1993001B	Indirect Forced Circulation	Flat Plate	33	0.53	1.9	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE32C-80N-1	2009031A	Indirect Forced Circulation	Flat Plate	33	0.50	1.8	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE32P-80-1	1993001A	Indirect Forced Circulation	Flat Plate	33	0.53	1.9	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE40C-120-1	1993001M	Indirect Forced Circulation	Flat Plate	41	0.57	2.1	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE40C-120-2	1996001K	Indirect Forced Circulation	Flat Plate	41	0.53	1.9	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE40C-120-PV	2000004I	Indirect Forced Circulation	Flat Plate	41	0.55	2	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE40C-80-1	1993001D	Indirect Forced Circulation	Flat Plate	41	0.63	2.4	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE40C-80-2	1996001D	Indirect Forced Circulation	Flat Plate	41	0.55	2	-60	80	Tank	50	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE40C-80-PV	2000004A	Indirect Forced Circulation	Flat Plate	41	0.59	2.2	-60	80	Tank	0	4.5		10	6	2	1	Yes	8/11/2010	8/11/2010
SunEarth	TE40P-120-1	1993001T	Indirect Forced Circulation	Flat Plate	41	0.55	2	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE40P-120N-1	2009031I	Indirect Forced Circulation	Flat Plate	41	0.50	1.8	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE40P-80-1	1993001C	Indirect Forced Circulation	Flat Plate	41	0.59	2.2	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/10/2010
SunEarth	TE40P-80-2	1996001C	Indirect Forced Circulation	Flat Plate	41	0.53	1.9	-60	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE40P-80N-1	2009031H	Indirect Forced Circulation	Flat Plate	41	0.55	2	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE40P-80-PV	2000004D	Indirect Forced Circulation	Flat Plate	41	0.57	2.1	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE48C-120-1	1993001O	Indirect Forced Circulation	Flat Plate	50	0.63	2.4	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE48C-120-2	1996001M	Indirect Forced Circulation	Flat Plate	50	0.57	2.1	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE48C-120-2-PV	2000003K	Indirect Forced Circulation	Flat Plate	50	0.55	2	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE48C-120-PV	2000004K	Indirect Forced Circulation	Flat Plate	50	0.61	2.3	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE48C-80-1	1993001L	Indirect Forced Circulation	Flat Plate	50	0.68	2.8	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE48C-80-2	1996001J	Indirect Forced Circulation	Flat Plate	50	0.61	2.3	-60	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE48C-80-2-PV	2000003H	Indirect Forced Circulation	Flat Plate	50	0.57	2.1	-60	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE48C-80N-1	2009031J	Indirect Forced Circulation	Flat Plate	50	0.63	2.4	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE48C-80-PV	2000004H	Indirect Forced Circulation	Flat Plate	50	0.64	2.5	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE48P-120-1	1993001N	Indirect Forced Circulation	Flat Plate	49	0.61	2.3	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE48P-120-2	1996001L	Indirect Forced Circulation	Flat Plate	49	0.55	2	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010

Product Brand	Model	SRCC Certification Number	System Type	Collector Type	Collector Panel Area (sq feet)	Solar Fraction (SF)	Solar Energy Factor (SEF)	Freeze Tolerance Limit (F)	Solar Tank Volume	Auxiliary Type	Auxillary Volume	Auxillary Input (kW)	Auxillary Input (MBTUH)	Min Warranty Collector (years)	Min Warranty - Tank (years)	Min Warranty - Controls (years)	Min Warranty - Parts (years)	Active	Active Date	Qualified Date
SunEarth	TE48P-120-2-PV	2000003J	Indirect Forced Circulation	Flat Plate	49	0.53	1.9	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE48P-120-PV	2000004J	Indirect Forced Circulation	Flat Plate	49	0.57	2.1	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE48P-80-1	1993001K	Indirect Forced Circulation	Flat Plate	49	0.65	2.6	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE48P-80-2	1996001I	Indirect Forced Circulation	Flat Plate	49	0.59	2.2	-60	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE48P-80-2-PV	2000003G	Indirect Forced Circulation	Flat Plate	49	0.57	2.1	-60	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE48P-80N-1	2009031G	Indirect Forced Circulation	Flat Plate	49	0.61	2.3	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE48P-80-PV	2000004G	Indirect Forced Circulation	Flat Plate	49	0.63	2.4	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE64C-120-1	1993001Q	Indirect Forced Circulation	Flat Plate	66	0.75	3.6	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE64C-120-2	1996001O	Indirect Forced Circulation	Flat Plate	66	0.68	2.8	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE64C-120-2-PV	2000003M	Indirect Forced Circulation	Flat Plate	66	0.64	2.5	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE64C-120N-1	2009031C	Indirect Forced Circulation	Flat Plate	66	0.68	2.8	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE64C-120-PV	2000004M	Indirect Forced Circulation	Flat Plate	66	0.71	3.1	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE64C-80-1	1993001H	Indirect Forced Circulation	Flat Plate	66	0.81	4.7	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE64C-80-2	1996001F	Indirect Forced Circulation	Flat Plate	66	0.74	3.4	-60	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE64C-80-2-PV	2000003B	Direct Forced Circulation	Flat Plate	66	0.69	2.9	-60	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE64C-80N-1	2009031B	Indirect Forced Circulation	Flat Plate	66	0.75	3.6	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE64C-80-PV	2000004B	Indirect Forced Circulation	Flat Plate	66	0.76	3.8	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE64P-120-1	1993001P	Indirect Forced Circulation	Flat Plate	66	0.72	3.2	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE64P-120-2	1996001N	Indirect Forced Circulation	Flat Plate	66	0.65	2.6	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE64P-120-2-PV	2000003L	Indirect Forced Circulation	Flat Plate	66	0.63	2.4	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE64P-120N-1	2009031F	Indirect Forced Circulation	Flat Plate	66	0.64	2.5	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE64P-80-1	1993001G	Indirect Forced Circulation	Flat Plate	66	0.77	3.9	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE64P-80-2	1996001E	Indirect Forced Circulation	Flat Plate	66	0.70	3	-60	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE64P-80-2-PV	2000003E	Indirect Forced Circulation	Flat Plate	66	0.67	2.7	-60	80	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE64P-80N-1	2009031E	Indirect Forced Circulation	Flat Plate	66	0.72	3.2	-60	80	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE80C-120-1	1993001S	Indirect Forced Circulation	Flat Plate	82	0.86	6.4	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE80C-120-2	1996001Q	Indirect Forced Circulation	Flat Plate	82	0.77	3.9	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE80C-120-2-PV	2000003O	Indirect Forced Circulation	Flat Plate	82	0.73	3.3	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE80C-120N-1	2009031L	Indirect Forced Circulation	Flat Plate	82	0.77	3.9	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE80C-120-PV	2000004O	Indirect Forced Circulation	Flat Plate	82	0.79	4.3	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE80P-120-1	1993001R	Indirect Forced Circulation	Flat Plate	82	0.80	4.5	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE80P-120-2	1996001P	Indirect Forced Circulation	Flat Plate	82	0.73	3.3	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE80P-120-2-PV	2000003N	Indirect Forced Circulation	Flat Plate	82	0.69	2.9	-60	120	Tank	50	4.5		10	6	2	1	Yes	8/9/2010	8/9/2010
SunEarth	TE80P-120N-1	2009031K	Indirect Forced Circulation	Flat Plate	82	0.72	3.2	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
SunEarth	TE80P-120-PV	2000004N	Indirect Forced Circulation	Flat Plate	82	0.75	3.6	-60	120	Tank	0	4.5		10	6	2	1	Yes		8/11/2010
Sunward	SB64-9PV	2010001B	Indirect Forced Circulation	Flat Plate	64	0.60	2.3	-15	80	Tank	50	4.5		20	10	10	10	Yes	6/28/2010	6/28/2010
Synergy Solar	107-2T		Indirect Forced Circulation	Flat Plate	107	0.85	6.1	-50	80	Tank	50	3.6	3.6	15	12	5	5	Yes	2/24/2010	2/24/2010
Synergy Solar	133-2T		Indirect Forced Circulation	Flat Plate	134	0.90	9.1	-50	120	Tank	50	3.6	3.6	15	12	5	5	Yes	2/24/2010	2/24/2010
Synergy Solar	40-IT		Indirect Forced Circulation	Flat Plate	40	0.50	1.8	-50	80	Tank	50	3.6	3.6	15	12	5	5	Yes	2/24/2010	2/24/2010
Synergy Solar	53-2T		Indirect Forced Circulation	Flat Plate	53	0.57	2.1	-50	80	Tank	50	3.6	3.6	15	12	5	5	Yes	2/24/2010	2/24/2010
Synergy Solar	53-IT		Indirect Forced Circulation	Flat Plate	53	0.61	2.3	-50	80	Tank	50	3.6	3.6	15	12	5	5	Yes	2/24/2010	2/24/2010
Synergy Solar	60-2T		Indirect Forced Circulation	Flat Plate	59	0.59	2.2	-50	80	Tank	50	3.6	3.6	15	12	5	5	Yes	2/24/2010	2/24/2010
Synergy Solar	80.2T		Indirect Forced Circulation	Flat Plate	80	0.72	3.2	-50	80	Tank	50	3.6	3.6	15	12	5	5	Yes	2/24/2010	2/24/2010
TCT Solar	PT-40-CN		Direct ICS	Batch	32	0.52	1.6	10	41.1	Tank	50			10	10	2	1	Yes	10/14/2009	10/14/2009
TCT Solar	PT-50-CN		Direct ICS	Batch	32	0.53	1.6	10	49.2	Tank	50			10	10	2	1	Yes	10/14/2009	10/14/2009
VELUX	CLI-U12 SK0 W/L 218 AUX EL		Indirect Forced Circulation	Flat Plate	54	0.70	2.7							10	6	5	5	Yes	2/25/2009	2/25/2009
VELUX	CLI-U12 SK0 W/L 218 EL B/U		Indirect Forced Circulation	Flat Plate	54	0.80	3.6							10	6	5	5	Yes	2/25/2009	2/25/2009
VELUX	CLI-U12 SK0 W/L 318 AUX EL		Indirect Forced Circulation	Flat Plate	81	0.80	5.3							10	6	5	5	Yes	2/25/2009	2/25/2009
VELUX	CLI-U12 SK0 W/L 318 EL B/U		Indirect Forced Circulation	Flat Plate	81	1.00	18.4							10	6	5	5	Yes	2/25/2009	2/25/2009
Viessmann	2-200F-80R-E		Indirect Forced Circulation	Flat Plate	54	0.58	2.8							10	6	2	2	Yes	2/12/2010	2/12/2010
Viessmann	3-200F-120R-E		Indirect Forced Circulation	Flat Plate	81	0.69	4.3							10	6	2	2	Yes	2/12/2010	2/12/2010

Residential Water Heaters Key Product Criteria

ENERGY STAR Residential Water Heaters — Eligible Product Types	
High-Efficiency Gas Storage	A nominal input of 75,000 BTU/hour or less and a rated storage volume from 20 to 100 gallons.
Gas Condensing	
Heat Pump Water Heaters	A maximum current rating of 24 amperes, voltage no greater than 250 volts, and a transfer of thermal energy from one temperature to a higher temperature level for the purpose of heating water. Unit must have "integrated" or "drop-in" configuration.
Whole-Home Gas Tankless	A nominal input of over 50,000 BTU/hour up to 200,000 BTU/hour and a rated storage volume of 2 gallons or less.
Solar Water Heaters	OG-300 rating from the SRCC. Auxiliary tank must be residential-class.

ENERGY STAR Criteria

A water heater model must meet all of the identified criteria to be labeled as ENERGY STAR.

High-Efficiency Gas Storage				
ENERGY STAR Criteria	**Energy Factor**	**First-Hour Rating**	**Warranty**	**Safety**
Gas Storage (Ending 8/31/2010)	EF >= 0.62	FHR >= 67 gallons per hour	Warranty >= 6 years on sealed system	ANSI Z21.10.1/CSA 4.1
Gas Storage (Beginning 9/1/2010)	EF >= 0.67	FHR >= 67 gallons per hour	Warranty >= 6 years on sealed system	ANSI Z21.10.1/CSA 4.1
Gas Condensing				
ENERGY STAR Criteria	**Energy Factor**	**First-Hour Rating**	**Warranty**	**Safety**
Gas Condensing	EF >= 0.8	FHR >= 67 gallons per hour	Warranty >= 8 years on sealed system	ANSI Z21.10.1/CSA 4.1
Heat Pump Water Heaters				
ENERGY STAR Criteria	**Energy Factor**	**First-Hour Rating**	**Warranty**	**Safety**
Heat Pump Water Heaters	EF >= 2.0	FHR >= 50 gallons per hour	Warranty >= 6 years on sealed system	UL 174 & UL 1995
Whole-Home Gas Tankless				
ENERGY STAR Criteria	**Energy Factor**	**Gallons-Per-Minute**	**Warranty**	**Safety**
Whole-Home Gas Tankless	EF >= 0.82	GPM >= 2.5 over a 77°F rise	Warranty >= 10 years on heat exchanger and 5 years on parts	ANSI Z21.10.3/CSA 4.3
Solar Water Heaters				
ENERGY STAR Criteria	**Solar Fraction**	**Warranty**	**Safety**	
Solar Water Heaters	**SF >= 0.5**	Warranty >= 10 years on solar collector, 6 years on storage tank, 2 years on controls and 1 year for piping and parts	OG-300 Certification from the SRCC	

Glossary

Energy Factor (EF):

Energy Factor is the ratio of useful energy output from the water heater to the total amount of energy delivered to the water heater. The higher the EF is, the more efficient the water heater.

Solar Fraction (SF):

Solar Fraction is the portion of the total conventional hot water heating load (delivered energy and tank standby losses) provided by solar energy. The higher the SF is, the more efficient the solar water heater.

First-Hour Rating (FHR):

First-Hour Rating is the amount of hot water in gallons a storage water heater can supply per hour (starting with a tank full of hot water).

Gallons per Minute (GPM):

Gallons per Minute is the amount of hot water in gallons a tankless water heater can supply per minute over a 77°F temperature rise.

Temperature Rise:

The difference between the temperature of the hot water exiting the heater and the cold water entering the heater. If you want a shower of 110°F and you live in south Florida with groundwater at 70°F, then that is a 40°F temperature rise (110-70=40).

Definitions for Column Headers- Solar

Brand and Model

This is how a particular water heater is identified. Manufacturers identify products they produce using the brand and model number. Some products may also be identified with a name or SKU, which is different from the brand or model number. You should always be able to find the brand and model number on a product.

Model numbers sometimes contain wildcard characters, such as *, #, and X, that are placeholders for non-energy attributes, such as color.

SRCC Certification #

The Solar Rating and Certification Corporation provides independent certification of solar water systems.

Type

Active, or forced-circulation, systems use electric pumps, valves and controllers to move water from the collectors to the storage tank. Passive systems require no pumps. Natural convection moves water from the collectors to the storage tank as it heats up.

System Type

Forced Circulation systems use a pump to circulate the water or other fluid from the collector where it is heated by the sun to the storage tank. Integral Collector Storage (ICS) systems, or “batch” water heaters, combine the collector and the storage tank into one. Thermosyphon systems have a separate storage tank, located above the collector. Liquid (which could be water or an antifreeze solution) warmed in the collector rises to the storage tank.

Collector Type

Solar Water Heaters are available in the following collector types: batch, flat-plate, and evacuated tube. Batch collectors heat water in dark tanks or tubes within an insulated box, storing the water until drawn. Flat-plate collectors consist of copper tubes fitted to flat absorber plates. Evacuated tubes contain a vacuum of space around the metal or glass tube.

Collector Panel Area (square feet)

Refers to the total area consumed by the solar collector.

Solar Fraction (SF)

Solar Fraction is the portion of the total conventional hot water heating load (delivered energy and tank standby losses) provided by solar energy. SF is determined by the rating conditions and model outlined in the OG-300 standard developed by the Solar Rating and Certification Corporation (SRCC).

Solar Energy Factor (SEF)

Solar Energy Factor refers to the energy delivered by the total system divided by the electrical or gas energy put into the system. The higher the SEF, the greater the solar contribution to water heating, which reduces the energy required by the backup water heater. The SEF is presented as a number similar to the Energy Factor (EF) given to conventional water heaters by the DOE test procedure.

Freeze Tolerance Limit (F)

The limit to the system’s tolerance of freezing weather conditions.

Solar Tank Volume

Capacity of the tank, in gallons.

Min Warranty – Heat Exchanger (years) and Min Warranty - Parts (years)

Warranty is an assurance by the manufacturing partner that the purchased equipment (heat exchanger) and components (parts) are warranted for a certain required period-of-time, depending on the technology. Minimum warranty is the shortest warranty you can receive on the qualified water heater model.

Active

Models can be discontinued by manufacturers, but may still be available in stores. Discontinued models will appear on this list for a year after their last production date to allow retailers to clear inventory. These models are still ENERGY STAR qualified, but they are no longer manufactured. Sponsors, such as utilities, may honor incentives for discontinued models at their discretion.