Manufacturer: SunPower Corp. (original Mfr.SMA)

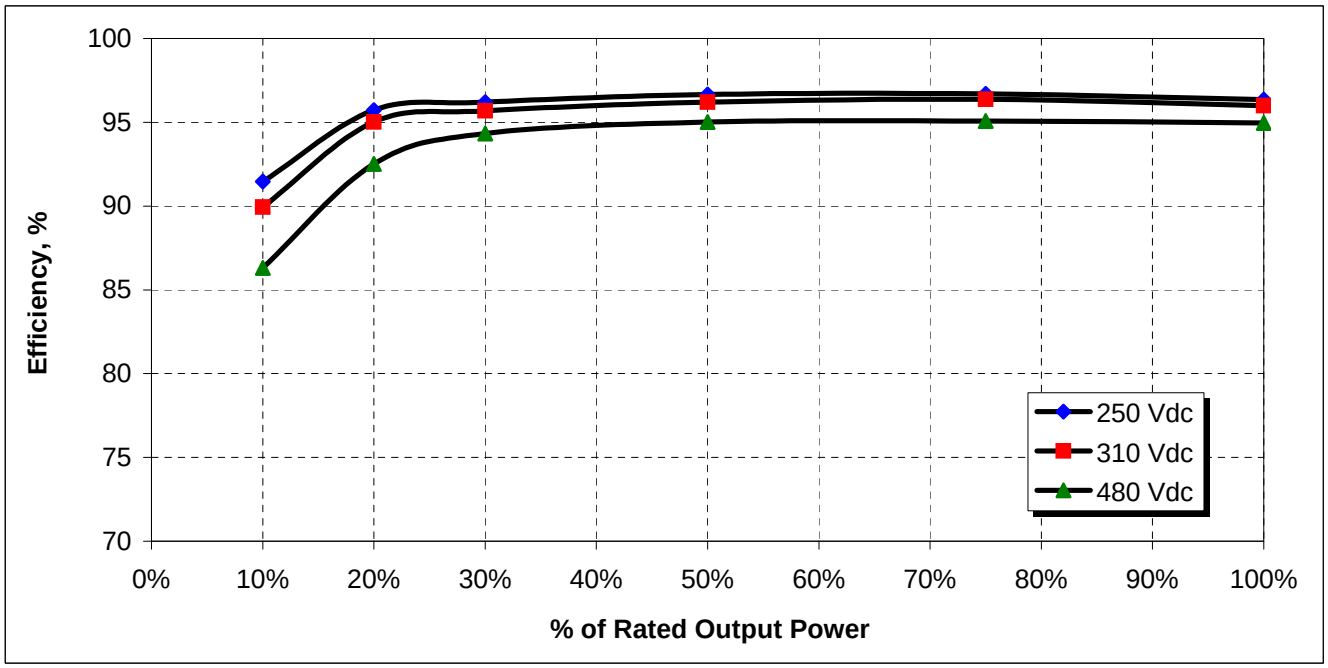
Model #: SPR-5000m (208V)

Rated Maximum Continuous Output Power: 5.00 kW Night Tare Loss: 0.46 W

Vmin: 250 Vdc Vnom: 310 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.50	1.00	1.50	2.50	3.75	5.00	Wtd
Vmin	250	91.5	95.7	96.2	96.7	96.7	96.3	96.4
Vnom	310	89.9	95.0	95.7	96.2	96.4	96.0	95.9
Vmax	480	86.3	92.5	94.3	95.0	95.1	95.0	94.5

CEC Efficiency = 95.5%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	495.5	250.1	91.721	493.6	250.1	91.519	492.4	250.1	91.463	494.2	250.1	91.407	495.2	250.1	91.168
20%	Vmin	1082	250.2	95.892	1085.5	250.2	95.777	1083.1	250.2	95.697	1085.4	250.2	95.670	1082.6	250.2	95.617
30%	Vmin	1603.2	250.2	96.340	1602.9	250.2	96.279	1601.7	250.3	96.202	1601.6	250.2	96.120	1603	250.3	96.072
50%	Vmin	2282	250.3	96.736	2281	250.3	96.694	2281	250.3	96.654	2283	250.3	96.613	2282	250.3	96.612
75%	Vmin	3527	250.4	96.739	3530	250.5	96.713	3528	250.4	96.684	3527	250.4	96.683	3531	250.5	96.658
100%	Vmin	4812	250.6	96.416	4813	250.5	96.356	4815	250.6	96.338	4811	250.6	96.317	4813	250.6	96.299
10%	Vnom	494	309.7	90.033	494	309.7	89.998	494.1	309.8	89.998	495.2	309.8	89.871	492.8	309.8	89.816
20%	Vnom	1082.2	309.8	95.111	1080.8	309.8	95.033	1082.2	309.8	95.005	1082.9	309.8	94.996	1084.6	309.8	94.980
30%	Vnom	1611.7	309.8	95.745	1611	309.9	95.724	1610.6	309.9	95.699	1609.6	309.9	95.675	1612.2	309.9	95.606
50%	Vnom	2279	309.9	96.242	2279	309.9	96.201	2278	309.9	96.199	2279	310	96.162	2280	309.9	96.160
75%	Vnom	3531	310	96.397	3531	310.1	96.370	3531	310	96.370	3530	310	96.344	3532	310	96.343
100%	Vnom	4804	310.1	96.024	4806	310.1	96.024	4806	310.1	96.005	4808	310.1	95.984	4806	310.1	95.946
10%	Vmax	493.9	478.7	86.379	493.7	478.8	86.351	493.1	478.7	86.346	494	478.7	86.326	494.1	478.8	86.179
20%	Vmax	1085.1	478.8	92.545	1084.9	478.7	92.525	1085.6	478.8	92.501	1085.5	478.7	92.499	1086.2	478.8	92.481
30%	Vmax	1601.1	478.8	94.352	1600.4	478.8	94.346	1601.4	478.8	94.345	1602.1	478.7	94.328	1601.7	478.8	94.277
50%	Vmax	2279	478.7	95.038	2279	478.8	95.038	2279	478.8	94.998	2278	478.8	94.996	2278	478.8	94.996
75%	Vmax	3537	478.8	95.133	3538	478.8	95.082	3540	478.9	95.058	3538	478.8	95.056	3538	478.8	95.031
100%	Vmax	4808	478.9	95.020	4808	478.8	95.000	4810	478.8	94.982	4808	478.9	94.926	4808	478.8	94.907

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															