Manufacturer: SunPower Corp. (original Mfr.SMA)

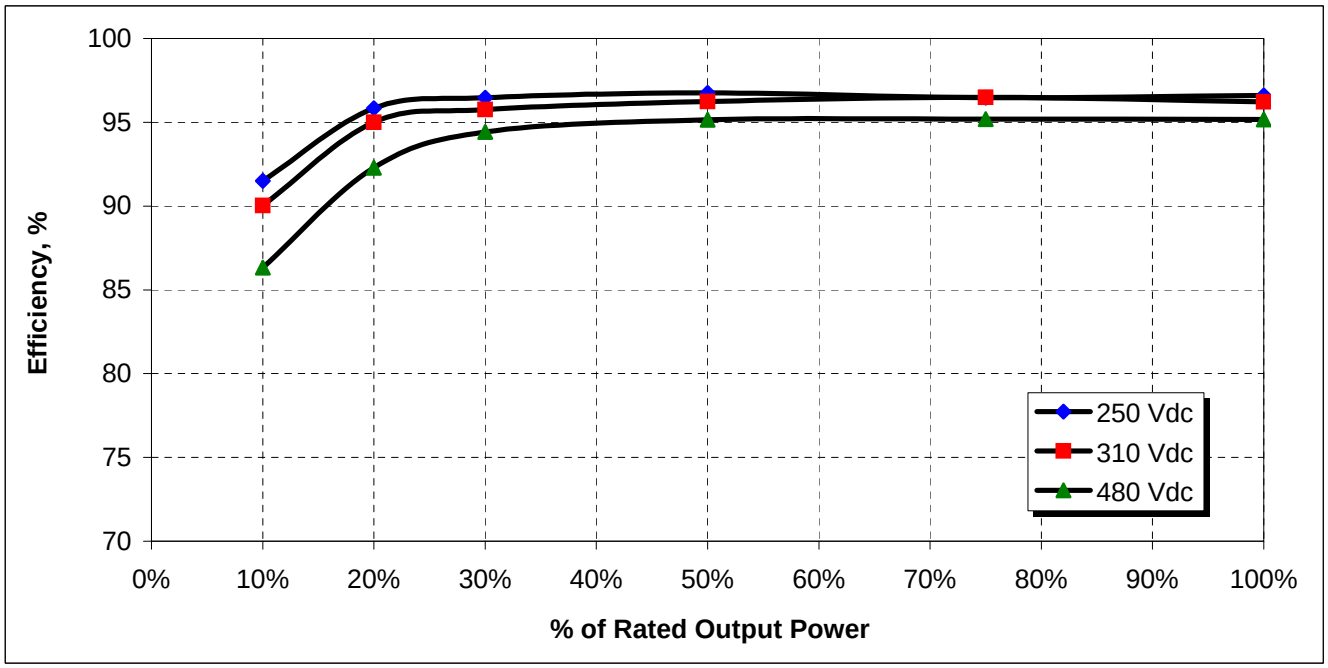
Model #: SPR-5000m (277V)

Rated Maximum Continuous Output Power: 5.00 kW Night Tare Loss: 1.41 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	95.8	96.5	96.8	96.5	96.6	96.3
Vnom	310	90.0	95.0	95.8	96.2	96.5	96.2	96.0
Vmax	480	86.3	92.3	94.4	95.2	95.2	95.2	94.6

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	486.2	250.1	91.987	488.2	250.1	91.802	487.8	250.1	91.423	484.9	250.2	91.331	491.3	250.1	91.015
20%	Vmin	1061.4	250.8	96.030	1071.2	250.8	95.950	1070.4	250.9	95.745	1074.1	250.8	95.745	1083.8	250.8	95.700
30%	Vmin	1583.2	252.3	96.781	1589.2	252.3	96.567	1582.8	252.3	96.371	1593.6	252.2	96.328	1606.8	252.2	96.313
50%	Vmin	2361	252.3	96.843	2359	252.3	96.802	2357	252.3	96.802	2362	252.2	96.678	2361	252.3	96.639
75%	Vmin	3556	256.8	97.227	3594	256.7	96.825	3617	256.9	96.587	3612	257.2	96.291	3549	257.5	95.412
100%	Vmin	4803	252.4	96.889	4777	252.1	96.847	4765	252.6	96.629	4787	252.4	96.505	4759	252.8	96.127
10%	Vnom	491.8	309.8	90.254	492.5	309.8	90.106	491	309.7	90.053	494	309.7	89.941	492.7	309.7	89.795
20%	Vnom	1056.6	309.8	95.116	1055.5	309.8	95.052	1054.7	309.8	95.026	1057.8	309.8	94.919	1056.4	309.8	94.907
30%	Vnom	1600.4	309.9	95.880	1603.6	309.9	95.826	1599.9	309.8	95.739	1603.7	309.9	95.695	1600.1	309.9	95.688
50%	Vnom	2285	309.9	96.292	2287	309.9	96.254	2284	309.9	96.249	2284	309.9	96.209	2284	309.9	96.209
75%	Vnom	3526	310	96.580	3531	310	96.551	3528	310	96.471	3526	310	96.444	3527	310.1	96.420
100%	Vnom	4786	310	96.240	4786	310.1	96.240	4783	310.1	96.240	4784	310.1	96.199	4787	310.1	96.180
10%	Vmax	493.1	480.1	86.395	493.6	480.1	86.367	492.2	480.1	86.327	493.5	480.1	86.312	493.1	480.1	86.279
20%	Vmax	1050.4	480.1	92.335	1050.1	480	92.309	1049.8	480.1	92.292	1049.2	480.1	92.291	1051.6	480.1	92.241
30%	Vmax	1606	480.1	94.467	1606.6	480.1	94.454	1604	480.1	94.446	1608.4	480.1	94.385	1605.4	480.1	94.356
50%	Vmax	2278	480.1	95.198	2281	480.1	95.157	2278	480.1	95.157	2279	480.1	95.155	2280	480.1	95.115
75%	Vmax	3540	480.1	95.211	3539	480.1	95.211	3540	480.1	95.187	3538	480.1	95.184	3540	480.1	95.161
100%	Vmax	4779	480.1	95.206	4786	480.2	95.204	4784	480.1	95.164	4782	480.1	95.145	4782	480.1	95.142

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															