Manufacturer: SunPower Corp. (original Mfr.SMA)

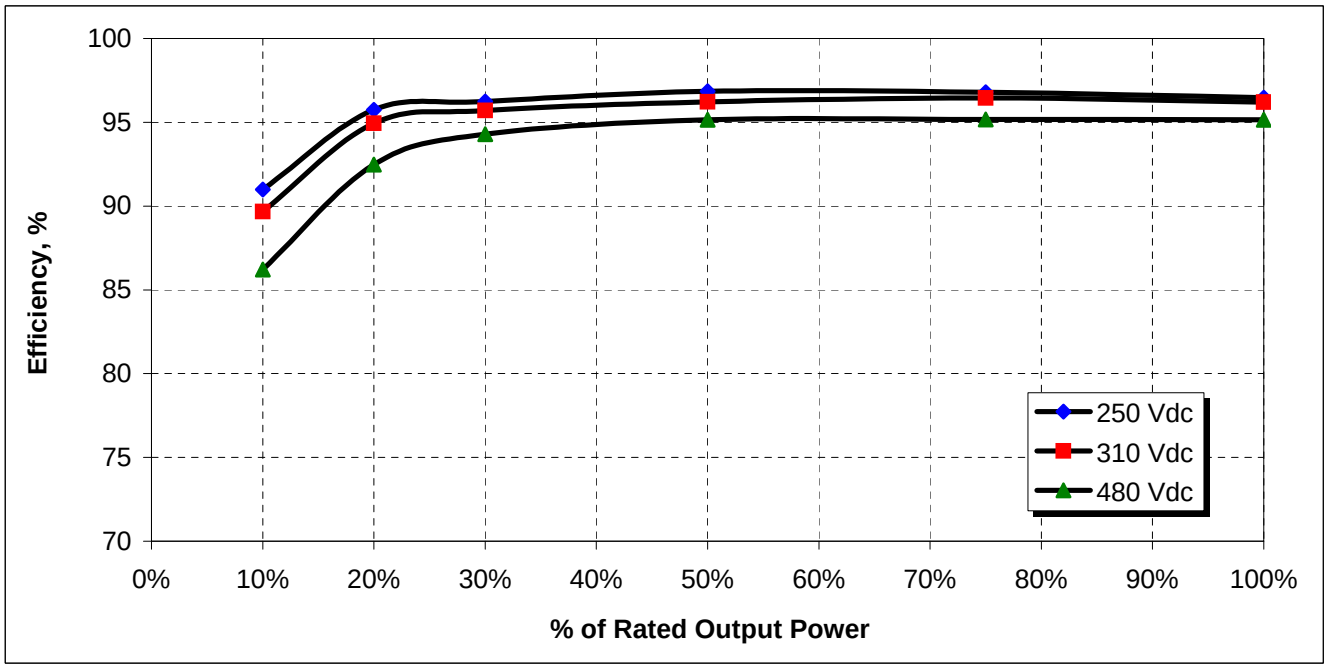
Model #: SPR-5000m (240V)

Rated Maximum Continuous Output Power: 5.00 kW Night Tare Loss: 0.72 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	91.0	95.7	96.2	96.8	96.8	96.5	96.4
Vnom	310	89.7	94.9	95.7	96.2	96.4	96.2	95.9
Vmax	480	86.2	92.5	94.3	95.2	95.2	95.1	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	493.3	250.1	91.110	494	250.1	90.998	493.1	250.1	90.995	493.2	250.1	90.980	493.9	250.1	90.829
20%	Vmin	1087.2	250.1	95.810	1087.8	250.2	95.765	1088.6	250.2	95.740	1088.4	250.1	95.721	1087.1	250.1	95.704
30%	Vmin	1604.3	250.2	96.337	1606.1	250.2	96.256	1604.3	250.2	96.237	1604	250.2	96.175	1604.4	250.2	96.165
50%	Vmin	2283	250.3	96.944	2283	250.2	96.943	2281	250.3	96.902	2284	250.3	96.735	2284	250.3	96.692
75%	Vmin	3528	251.1	96.851	3530	251.1	96.822	3533	251	96.765	3538	251	96.742	3537	251	96.739
100%	Vmin	4785	251.8	96.597	4778	251.4	96.511	4779	251.9	96.477	4793	251.3	96.389	4797	251.4	96.370
10%	Vnom	486.3	309.7	89.762	487.2	309.7	89.724	487.5	309.8	89.658	487.9	309.7	89.582	487.2	309.7	89.576
20%	Vnom	1086.4	309.8	94.998	1086.8	309.8	94.990	1086.4	309.8	94.938	1085	309.8	94.928	1084.9	309.8	94.867
30%	Vnom	1600.5	309.8	95.718	1599.8	309.8	95.718	1600.7	309.8	95.688	1600.4	309.8	95.683	1599	309.8	95.681
50%	Vnom	2285	309.9	96.329	2283	309.9	96.288	2282	309.9	96.207	2281	310	96.128	2283	310	96.125
75%	Vnom	3526	310	96.497	3527	310	96.472	3526	310	96.446	3528	310	96.420	3531	310	96.391
100%	Vnom	4793	310.1	96.248	4792	310	96.209	4797	310.1	96.169	4797	309.9	96.169	4794	310.1	96.168
10%	Vmax	493.1	480	86.322	495.4	480	86.267	495	480	86.222	495	480	86.189	494.9	480	86.045
20%	Vmax	1074	480	92.524	1073.5	480	92.491	1074.4	480	92.475	1073.5	480	92.447	1074.3	480	92.435
30%	Vmax	1599	480	94.352	1598.7	480	94.351	1600.4	480	94.316	1600	480	94.242	1598.6	480	94.235
50%	Vmax	2280	480.1	95.161	2278	480.1	95.161	2281	480	95.159	2281	480	95.159	2280	480	95.119
75%	Vmax	3522	478.8	95.215	3521	478.8	95.189	3520	478.8	95.187	3522	478.8	95.111	3522	478.8	95.111
100%	Vmax	4803	478.8	95.185	4804	478.8	95.165	4803	478.9	95.146	4804	478.8	95.129	4805	478.8	95.109

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															