Manufacturer: SunPower Corp. (original Mfr.SMA)

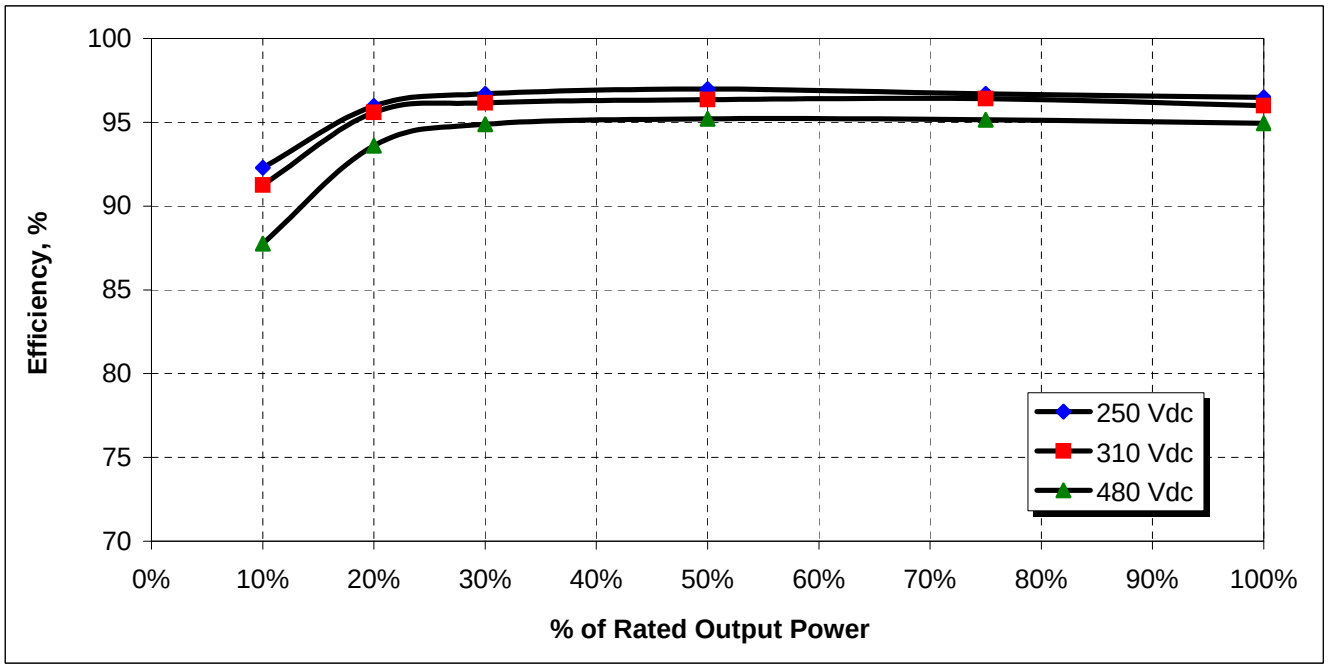
Model #: SPR-6000m (277V)

Rated Maximum Continuous Output Power: 6.00 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)		0.60	1.20	1.80	3.00	4.50	6.00	Wtd
Vmin	250	92.3	96.0	96.7	97.0	96.7	96.5	96.5
Vnom	310	91.3	95.6	96.2	96.4	96.4	96.0	96.1
Vmax	480	87.8	93.6	94.9	95.2	95.1	94.9	94.7

CEC Efficiency = 96.0%



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	592.7	250.1	92.357	592.9	250.1	92.338	593.3	250.1	92.297	592.4	250.1	92.220	591.6	250.1	92.202
20%	Vmin	1302.8	252.2	96.030	1302.4	252.2	95.983	1301.4	252.2	95.975	1304.3	252.1	95.963	1304.2	252.2	95.939
30%	Vmin	1919.3	250.3	97.086	1919.3	250.3	96.703	1919.4	250.3	96.683	1916.4	250.2	96.505	1917.7	250.2	96.491
50%	Vmin	2720	250.3	97.428	2719	250.3	97.214	2727	250.3	97.045	2722	250.3	96.658	2724	250.3	96.596
75%	Vmin	4239	250.5	96.847	4228	250.5	96.749	4221	250.5	96.728	4236	250.5	96.590	4217	250.5	96.543
100%	Vmin	5737	251.6	96.619	5723	251.9	96.584	5737	251.8	96.439	5744	251.4	96.388	5739	251.6	96.372
10%	Vnom	590.3	309.8	91.574	590.5	309.8	91.333	592.2	309.8	91.247	590.4	309.8	91.153	590.1	309.8	90.969
20%	Vnom	1303.2	309.8	95.660	1306.1	309.8	95.650	1306.6	309.8	95.566	1302.3	309.8	95.554	1303.9	309.8	95.547
30%	Vnom	1922.6	309.9	96.369	1922.7	309.9	96.279	1917.8	309.9	96.178	1924.3	309.9	95.996	1922.8	309.9	95.974
50%	Vnom	2734	310	96.540	2733	310	96.469	2734	309.9	96.468	2731	310	96.203	2732	310	96.097
75%	Vnom	4237	310	96.433	4243	310.1	96.432	4239	310.1	96.410	4244	310.1	96.407	4240	310	96.341
100%	Vnom	5753	310.2	96.027	5752	310.1	95.979	5753	310.1	95.979	5754	310.2	95.978	5751	310.1	95.963
10%	Vmax	589.7	478.7	87.869	589.5	478.7	87.753	589.2	478.7	87.731	590.5	478.7	87.703	588.9	478.7	87.697
20%	Vmax	1299.6	478.7	93.712	1299.5	478.7	93.664	1297.8	478.7	93.601	1298.8	478.7	93.540	1299	478.7	93.508
30%	Vmax	1924	478.7	95.012	1921.6	478.8	94.916	1923	478.7	94.916	1921.6	478.7	94.876	1920.3	478.7	94.677
50%	Vmax	2828	478.7	95.315	2829	478.8	95.280	2828	478.7	95.188	2829	478.7	95.155	2827	478.8	95.121
75%	Vmax	4251	478.9	95.166	4252	478.8	95.166	4252	478.8	95.144	4253	478.8	95.144	4252	478.8	95.101
100%	Vmax	5777	478.8	94.968	5778	478.8	94.955	5778	478.8	94.954	5776	478.9	94.939	5777	478.8	94.923

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															