Manufacturer: SunPower Corp. (original Mfr.SMA)

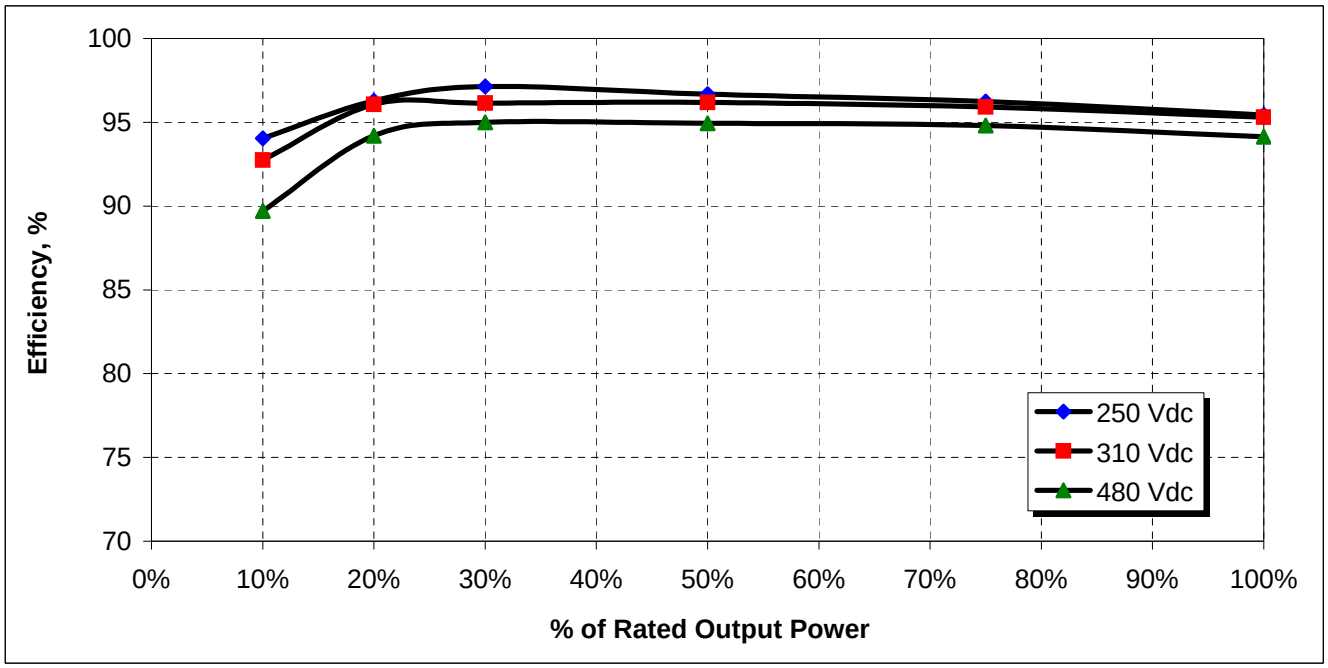
Model #: SPR-7000m (208V)

Rated Maximum Continuous Output Power: 7.00 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)		0.70	1.40	2.10	3.50	5.25	7.00	Wtd
Vmin	250	94.0	96.3	97.1	96.7	96.2	95.4	96.3
Vnom	310	92.7	96.1	96.1	96.2	95.9	95.3	95.9
Vmax	480	89.7	94.2	95.0	94.9	94.8	94.1	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	694.9	250.2	94.124	694.1	250.2	94.110	693.9	250.2	94.032	695	250.2	94.032	695.4	250.2	93.924
20%	Vmin	1513.3	250.3	96.330	1515.5	250.3	96.317	1514.4	250.3	96.285	1512.6	250.3	96.234	1513.4	250.2	96.183
30%	Vmin	2206	250.4	97.698	2205	250.4	97.266	2206	250.3	97.222	2205	250.4	96.883	2207	250.4	96.585
50%	Vmin	3199	250.5	96.706	3200	250.5	96.677	3199	250.5	96.676	3197	250.5	96.647	3202	250.5	96.647
75%	Vmin	4945	250.6	96.281	4945	250.6	96.262	4944	250.6	96.244	4945	250.6	96.243	4947	250.7	96.205
100%	Vmin	6677	250.8	95.500	6677	250.8	95.471	6683	250.7	95.455	6679	250.7	95.413	6685	250.8	95.386
10%	Vnom	695.4	309.8	92.864	694.4	309.8	92.769	694.7	309.8	92.742	696.2	309.8	92.678	695.1	309.8	92.651
20%	Vnom	1513.5	309.9	96.120	1513.4	309.9	96.059	1513.6	309.8	96.057	1512.5	309.9	96.033	1511.8	309.9	96.032
30%	Vnom	2250	309.9	96.197	2251	309.9	96.195	2249	310	96.113	2249	309.9	96.111	2251	310	96.072
50%	Vnom	3204	310	96.422	3203	310	96.244	3206	310.1	96.215	3207	310	96.161	3206	310.1	95.899
75%	Vnom	4935	310.2	95.956	4936	310.2	95.939	4933	310.1	95.937	4933	310.1	95.900	4935	310.2	95.861
100%	Vnom	6677	310.3	95.360	6671	310.1	95.314	6680	310.4	95.290	6674	310.4	95.288	6675	310.3	95.275
10%	Vmax	695.3	478.7	89.881	696.4	478.7	89.693	694.4	478.7	89.684	694.2	478.7	89.646	694.7	478.8	89.616
20%	Vmax	1512.4	478.8	94.240	1512.7	478.8	94.239	1512.4	478.8	94.195	1513.8	478.7	94.191	1513.3	478.7	94.154
30%	Vmax	2249	478.8	95.017	2249	478.7	95.015	2249	478.7	95.015	2249	478.8	94.975	2250	478.8	94.975
50%	Vmax	3204	478.7	95.303	3204	478.8	94.961	3203	478.8	94.849	3204	478.8	94.791	3206	478.8	94.765
75%	Vmax	4942	478.8	94.891	4939	478.8	94.837	4941	478.9	94.802	4943	478.8	94.783	4940	478.8	94.746
100%	Vmax	6658	479	94.234	6657	478.9	94.145	6668	478.9	94.105	6657	478.8	94.104	6656	478.9	94.093

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															