Manufacturer: SunPower Corp. (original Mfr.SMA)

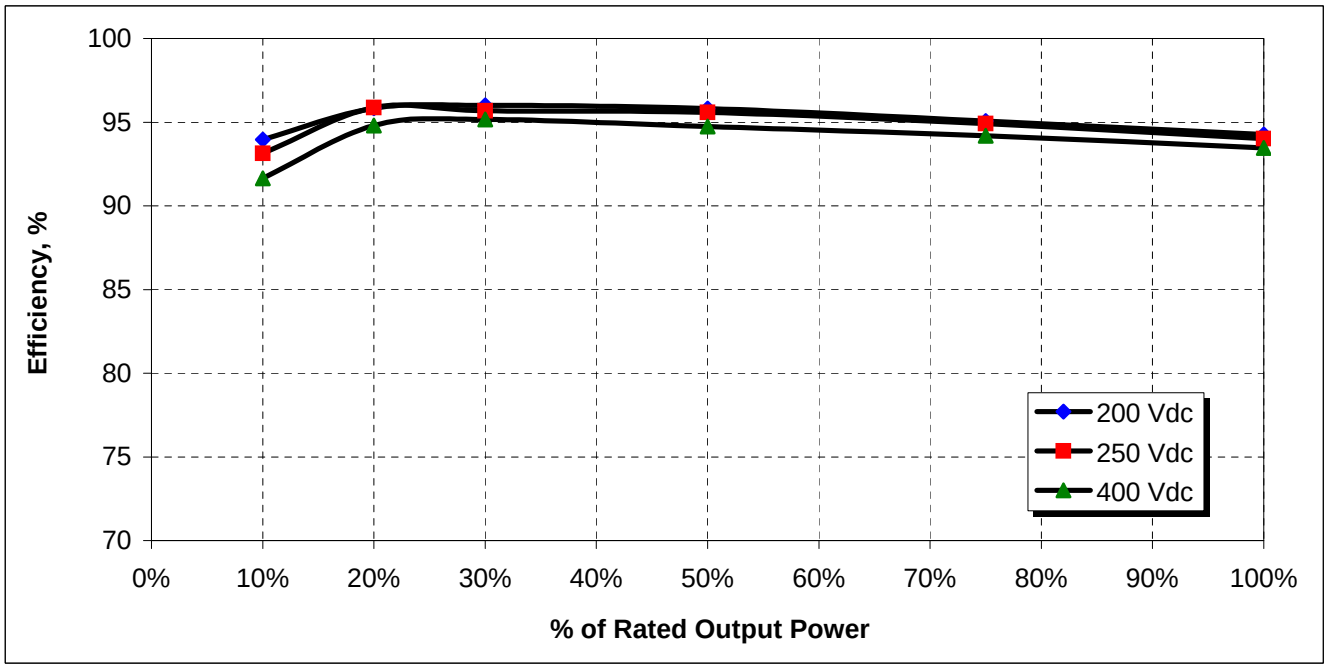
Model #: SPR-3000m (208V)

Rated Maximum Continuous Output Power: 3.00 kW Night Tare Loss: 0.08 W

Vmin: 200 Vdc Vnom: 250 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.30	0.60	0.90	1.50	2.25	3.00	Wtd
Vmin	200	94.0	95.8	96.0	95.8	95.1	94.3	95.3
Vnom	250	93.1	95.9	95.7	95.6	94.9	94.0	95.1
Vmax	400	91.6	94.8	95.2	94.7	94.2	93.5	94.3

CEC Efficiency = 95.0%



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	287.9	200.7	94.024	287.7	200.7	93.989	287.5	200.7	93.924	287.5	200.7	93.924	287.5	200.7	93.893
20%	Vmin	647.1	200.8	95.909	646.6	200.9	95.849	646.4	200.8	95.848	646.9	200.8	95.794	647	200.8	95.753
30%	Vmin	955.2	200.9	96.155	955.1	200.9	96.087	956	200.9	96.071	956.4	200.9	95.880	956	200.9	95.840
50%	Vmin	1365.3	200.9	95.831	1365.2	200.9	95.817	1365.3	200.9	95.811	1365.6	200.9	95.805	1365.3	200.9	95.804
75%	Vmin	2121	201	95.112	2121	201	95.069	2120	201	95.067	2121	200.9	95.027	2120	201	95.025
100%	Vmin	2867	201.1	94.402	2864	201.1	94.273	2863	201.1	94.240	2864	201.2	94.211	2865	201.2	94.181
10%	Vnom	290.1	250.6	93.250	290.1	250.6	93.220	289.7	250.6	93.091	289.7	250.6	93.061	289.6	250.6	93.059
20%	Vnom	647.3	250.6	95.953	647	250.7	95.909	646.7	250.6	95.850	646.5	250.6	95.820	646.3	250.6	95.819
30%	Vnom	959.7	250.7	95.712	960.4	250.7	95.686	959.8	250.6	95.683	959.3	250.6	95.653	959	250.7	95.632
50%	Vnom	1369	250.6	95.647	1369	250.7	95.581	1368.7	250.6	95.580	1369.8	250.7	95.556	1369.2	250.6	95.541
75%	Vnom	2120	250.7	94.940	2119	250.7	94.937	2119	250.7	94.937	2119	250.7	94.895	2119	250.7	94.895
100%	Vnom	2867	250.8	94.062	2868	250.8	94.033	2867	250.9	94.000	2868	250.9	93.971	2867	250.8	93.969
10%	Vmax	285.8	399.8	91.691	285.8	399.8	91.661	285.7	399.8	91.659	285.4	399.9	91.621	285.5	399.9	91.594
20%	Vmax	644.3	399.9	94.820	644.4	399.9	94.807	644.3	399.9	94.792	644.3	399.9	94.792	644	399.9	94.776
30%	Vmax	963.5	399.9	95.179	963.4	399.9	95.160	963.3	399.9	95.160	963.2	399.9	95.159	963.4	399.9	95.151
50%	Vmax	1362.7	399.9	94.777	1362.7	399.9	94.770	1362.4	399.9	94.756	1362	399.9	94.715	1361.9	399.9	94.708
75%	Vmax	2128	400	94.201	2127	400	94.198	2127	400	94.198	2126	399.9	94.196	2127	400	94.157
100%	Vmax	2864	400	93.625	2866	399.9	93.568	2866	400	93.446	2866	400	93.385	2865	400	93.292

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															