Manufacturer: SunPower Corp.

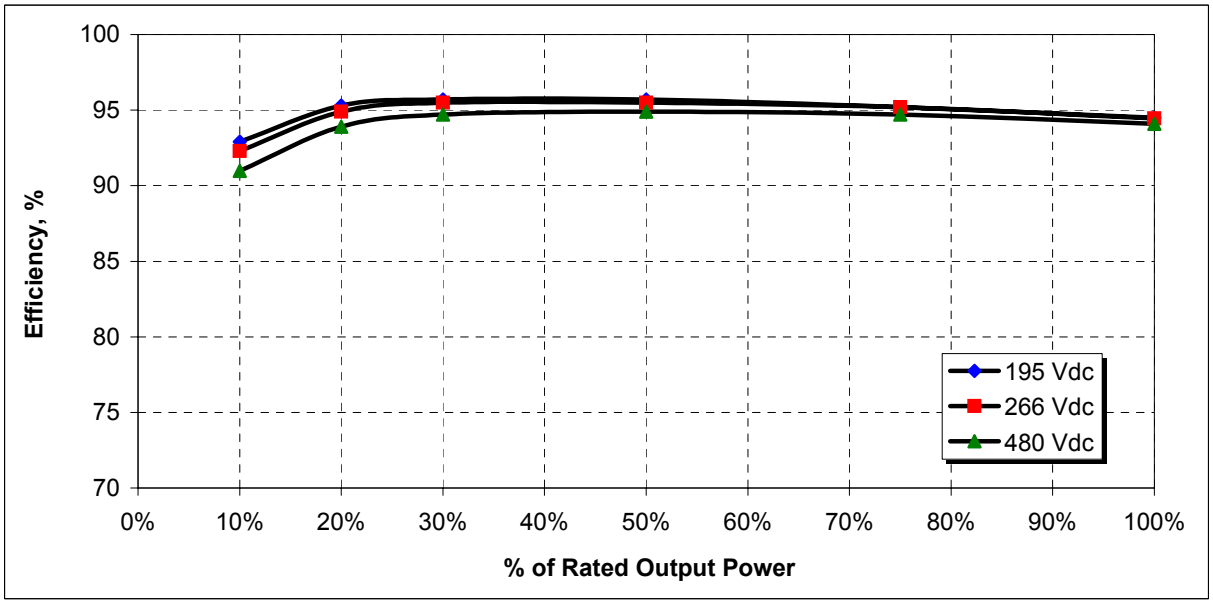
Model #: SPR-4000x

Rated Maximum Continuous Output Power @25°C: 4.000 kW Night Tare Loss: 1.00 W
Rated Maximum Continuous Output Power @40°C: 4.000 kW Night Tare Loss: 1.00 W

Vmin: 195 Vdc Vnom: 266 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.40	0.80	1.20	2.00	3.00	4.00	Wtd
Vmin	195	92.9	95.3	95.7	95.7	95.2	94.5	95.2
Vnom	266	92.3	94.9	95.5	95.5	95.2	94.5	95.1
Vmax	480	91.0	93.9	94.7	94.9	94.7	94.1	94.5

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	391.85	194.9	92.900	391.85	194.9	92.900	391.87	194.9	92.900	390.4	194.9	92.900	391.99	194.9	92.900
20%	Vmin	870.81	195.02	95.300	871.31	195.02	95.300	870.05	195.02	95.300	871.54	195.02	95.300	872.12	195.02	95.300
30%	Vmin	1290	194.56	95.700	1290	194.55	95.700	1290	194.55	95.700	1290	194.56	95.700	1290	194.55	95.700
50%	Vmin	1850	195.27	95.700	1850	195.27	95.700	1850	195.27	95.700	1850	195.27	95.700	1850	195.27	95.700
75%	Vmin	2850	195.43	95.200	2840	195.43	95.200	2860	195.42	95.200	2850	195.42	95.200	2840	195.43	95.200
100%	Vmin	3830	195.91	94.400	3820	195.9	94.500	3820	195.9	94.500	3830	195.9	94.500	3820	195.91	94.500
10%	Vnom	387.52	266.05	92.300	388.48	266.05	92.300	386.93	266.05	92.300	387.86	266.05	92.300	387.16	266.05	92.300
20%	Vnom	846.09	265.92	94.900	851.04	265.91	94.900	843.94	265.91	94.900	847.99	265.91	94.900	851.86	265.91	94.900
30%	Vnom	1300	265.79	95.500	1300	265.79	95.500	1300	265.79	95.500	1300	265.79	95.500	1300	265.79	95.500
50%	Vnom	1820	265.64	95.500	1810	265.65	95.500	1810	265.65	95.500	1820	265.64	95.500	1820	265.54	95.500
75%	Vnom	2840	265.4	95.200	2840	265.4	95.200	2840	265.4	95.200	2850	265.4	95.200	2840	265.4	95.200
100%	Vnom	3850	265.08	94.500	3860	265.09	94.400	3860	265.08	94.500	3860	265.08	94.400	3850	265.09	94.500
10%	Vmax	394.23	480.47	90.900	395.91	480.46	91.000	395.92	480.47	91.000	393.19	480.47	90.900	395.7	480.47	91.000
20%	Vmax	854.68	480.38	93.900	854.75	480.38	93.900	854.06	480.38	93.900	854.67	480.38	93.900	856.59	480.37	93.900
30%	Vmax	1270	480.31	94.700	1270	480.32	94.700	1270	480.31	94.700	1270	480.31	94.700	1270	480.32	94.700
50%	Vmax	1850	480.21	94.900	1850	480.21	94.900	1850	480.21	94.900	1850	480.21	94.900	1850	480.22	94.900
75%	Vmax	2810	480.12	94.700	2810	480.11	94.700	2810	480.12	94.700	2810	480.12	94.700	2810	480.12	94.700
100%	Vmax	3830	479.93	94.100	3830	479.93	94.100	3830	479.93	94.100	3830	479.93	94.100	3830	479.94	94.100

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	391.75	194.9	92.900	392.1	194.9	92.900									
20%	Vmin	870.98	195.02	95.300	871.01	195.02	95.300									
30%	Vmin	1290	194.56	95.700	1290	194.56	95.700									
50%	Vmin	1850	195.26	95.700	1850	195.27	95.700									
75%	Vmin	2840	195.42	95.200	2850	195.43	95.200									
100%	Vmin	3820	195.91	94.500	3830	195.9	94.500									
10%	Vnom	385.54	266.05	92.300	389.88	266.05	92.300									
20%	Vnom	857.19	265.92	94.900	846.02	265.91	94.900									
30%	Vnom	1300	265.79	95.500	1300	265.79	95.500									
50%	Vnom	1810	265.65	95.500	1820	265.64	95.500									
75%	Vnom	2830	265.4	95.200	2840	265.4	95.200									
100%	Vnom	3660	265.09	94.400	3850	265.08	94.500									
10%	Vmax	395.73	480.47	91.000	396.21	480.47	91.000									
20%	Vmax	855.78	480.37	93.900	855.44	480.38	93.900									
30%	Vmax	1270	480.31	94.700	1270	480.31	94.700									
50%	Vmax	1850	480.21	94.900	1850	480.21	94.900									
75%	Vmax	2810	480.11	94.700	2810	480.11	94.700									
100%	Vmax	3830	479.94	94.100	3830	479.93	94.100									