Manufacturer: Sansha Electric Manufacturing Co., Ltd

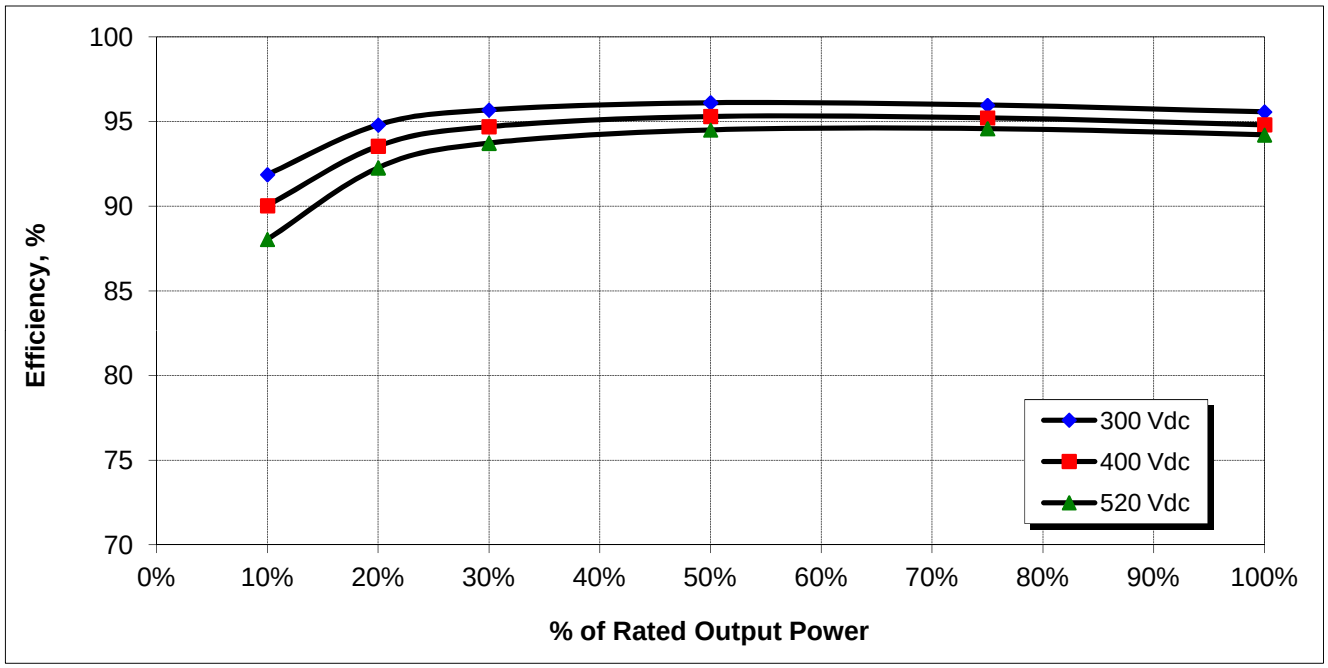
Model #: **PV-250K-48T-13**

Rated Maximum Continuous Output Power: 251.40 kW Night Tare Loss: 20.50 W

Vmin: 300 Vdc Vnom: 400 Vdc Vmax: 520 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		25.14	50.28	75.42	125.70	188.55	251.40	Wtd
Vmin	300	91.9	94.8	95.7	96.1	96.0	95.6	95.7
Vnom	400	90.0	93.5	94.7	95.3	95.2	94.8	94.9
Vmax	520	88.0	92.3	93.7	94.5	94.6	94.2	94.1

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	24.782	300.97	91.880	24.82	301.61	91.880	24.83	301.58	91.710	24.834	301.24	91.930	24.84	300.85	91.930
20%	Vmin	49.053	299.76	94.810	49.04	299.83	94.800	49.12	300.66	94.800	49.051	299.53	94.750	49	298.34	94.840
30%	Vmin	75.851	300.38	95.680	75.85	300.26	95.680	75.88	300.29	95.700	75.975	300.91	95.670	75.99	301.07	95.660
50%	Vmin	125.71	300.98	96.130	125.7	301.14	96.090	124.5	297.72	96.120	123.9	296.33	96.090	124.2	297.12	96.110
75%	Vmin	188.82	303.5	95.950	188.8	303.47	95.970	188.8	303.47	96.000	188.69	303.22	95.960	188.9	303.31	95.960
100%	Vmin	250.64	299.92	95.580	250.9	300.96	95.560	250.9	301.01	95.570	250.76	300.91	95.550	250.7	300.83	95.580
10%	Vnom	25.13	392.62	90.02	25.16	395.05	90.000	25.11	393.87	90.070	25.126	394.4	90.040	25.18	395.29	90.050
20%	Vnom	50.24	403.06	93.58	50.25	402.83	93.550	50.22	402.71	93.610	50.171	402.53	93.530	50.24	403.04	93.470
30%	Vnom	74.79	401.43	94.67	74.76	401.47	94.710	74.63	400.63	94.720	74.733	401.29	94.700	74.65	400.68	94.700
50%	Vnom	126.20	399.71	95.28	126.1	399.46	95.320	126	399.12	95.290	126.21	399.72	95.310	126.4	400.43	95.320
75%	Vnom	188.53	395.87	95.23	189.4	397.89	95.210	188.8	396.42	95.230	189.08	397.24	95.200	189.1	397.17	95.220
100%	Vnom	249.74	402.88	94.800	249.6	402.76	94.810	249.7	402.93	94.810	249.74	402.88	94.800	249.6	402.6	94.800
10%	Vmax	25.9	518	88.000	25.9	518	88.000	25.9	518	88.000	25.8	518	88.100	25.8	517	88.100
20%	Vmax	50.257	520.22	92.230	50.21	519.65	92.260	50.13	519.18	92.310	50.116	518.99	92.270	50.06	518.34	92.270
30%	Vmax	76.92	520.37	93.720	77.02	520.83	93.720	96.96	520.56	93.690	77.012	520.68	93.790	77.01	520.73	93.690
50%	Vmax	125.41	522.91	94.460	125.5	523.09	94.480	125.6	523.53	94.490	125.49	523.02	94.560	125.4	522.66	94.510
75%	Vmax	188.43	518.21	94.590	188.3	517.85	94.590	188.3	517.49	94.570	187.96	516.91	94.570	188.3	517.7	94.570
100%	Vmax	248.79	521.89	94.200	248.5	522.05	94.200	248.8	523	94.210	249.09	523.59	94.240	249	523.58	94.200

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															