

SPP MI250-240 CEC Test Data

240vac

Rated Maximum Continuous Output Power: 225.19 W

Night Tare Loss: 0.17 W

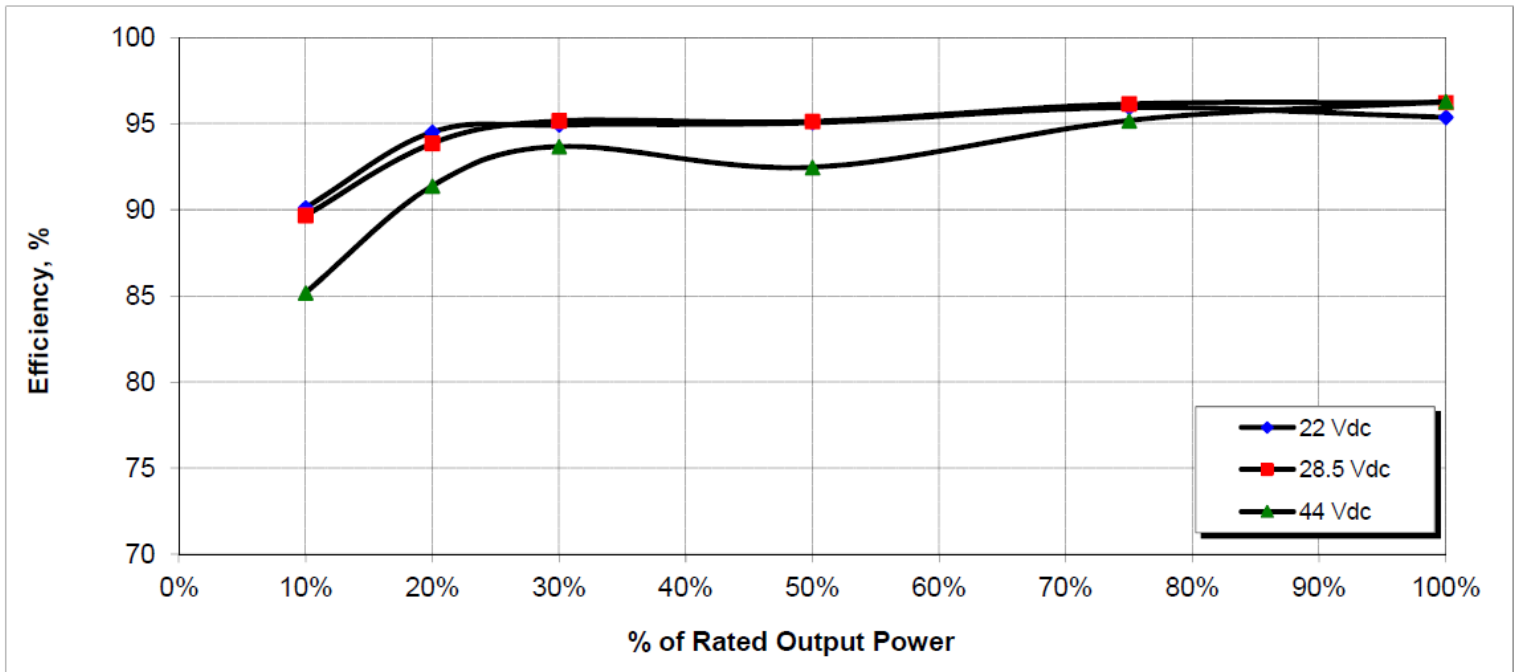
Vmin: 22.0 Vdc

Vnom: 28.5 Vdc

Vmax: 44.0 Vdc

		Power Level (%; kW)						Wtd
Input Voltage (Vdc)		10% 22.52	20% 45.04	30% 67.56	50% 112.60	75% 168.89	100% 225.19	
Vmin	22.0	90.1	94.5	94.9	95.1	95.9	95.4	95.3
Vnom	28.5	89.7	93.9	95.2	95.1	96.2	96.2	95.5
Vmax	44.0	85.2	91.4	93.7	92.5	95.2	96.3	93.9

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 (W)	Input Voltage (Vdc)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (kW)	Input Voltage (Vdc)	Efficiency (%)	Output Power (W)	Input Voltage (Vdc)	Efficiency (%)
10%	Vmin	21.20	22.76	89.98	21.25	22.55	90.41	21.26	22.72	90.19	21.12	22.50	90.09	21.15	22.57	89.97
20%	Vmin	45.55	22.47	94.51	45.62	22.56	94.56	45.51	22.44	94.49	45.50	22.50	94.49	45.55	22.63	94.54
30%	Vmin	67.90	22.58	94.88	68.01	22.53	94.96	68.08	22.40	94.92	67.94	22.63	94.98	68.06	22.40	94.92
50%	Vmin	104.92	22.29	95.06	104.82	22.33	95.08	104.93	22.31	95.08	104.93	22.30	95.04	105.07	22.26	95.08
75%	Vmin	162.87	22.27	95.98	162.42	22.29	95.96	162.65	22.32	95.99	162.50	22.30	95.87	162.86	22.27	95.94
100%	Vmin	212.86	22.33	95.38	211.55	22.32	95.69	213.11	22.33	95.23	213.66	22.30	95.33	210.57	22.35	95.26
10%	Vnom	20.93	28.17	89.65	20.91	28.56	89.59	21.02	28.45	89.46	21.07	28.49	90.12	21.06	28.55	89.54
20%	Vnom	43.54	28.78	93.90	43.50	28.67	93.79	43.50	28.60	93.91	43.46	28.70	93.79	43.50	28.65	93.91
30%	Vnom	70.27	28.51	95.14	69.87	28.57	95.17	70.40	28.56	95.20	70.31	28.46	95.11	70.22	28.41	95.22
50%	Vnom	104.27	28.56	95.20	104.21	28.43	95.22	104.28	28.61	95.28	103.96	28.59	95.00	104.04	28.56	94.99
75%	Vnom	163.00	27.87	96.12	163.00	28.00	96.22	163.00	27.90	96.13	163.00	27.90	96.18	163.00	28.03	96.15
100%	Vnom	214.57	28.82	96.12	214.66	28.73	96.11	214.61	28.68	96.31	214.56	28.57	96.23	214.95	28.67	96.40
10%	Vmax	20.89	44.07	85.08	21.12	44.51	85.15	21.28	44.89	85.11	20.89	44.07	85.11	21.20	44.54	85.43
20%	Vmax	44.36	43.61	91.43	44.40	43.53	91.39	44.47	43.78	91.33	44.35	43.83	91.34	44.41	43.55	91.40
30%	Vmax	66.92	43.70	93.74	66.91	43.88	93.59	66.97	43.72	93.84	66.77	43.72	93.59	66.78	44.17	93.58
50%	Vmax	110.19	43.40	92.50	110.44	43.53	92.52	110.10	43.56	92.37	110.24	43.44	92.46	110.35	43.51	92.46
75%	Vmax	166.57	43.45	95.05	166.72	43.82	95.17	166.62	43.42	95.15	166.99	43.55	95.27	166.94	43.47	95.27
100%	Vmax	224.29	43.28	96.29	224.08	43.33	96.30	223.85	43.23	96.22	224.17	43.03	96.35	224.13	43.13	96.26