Manufacturer: PVPowered

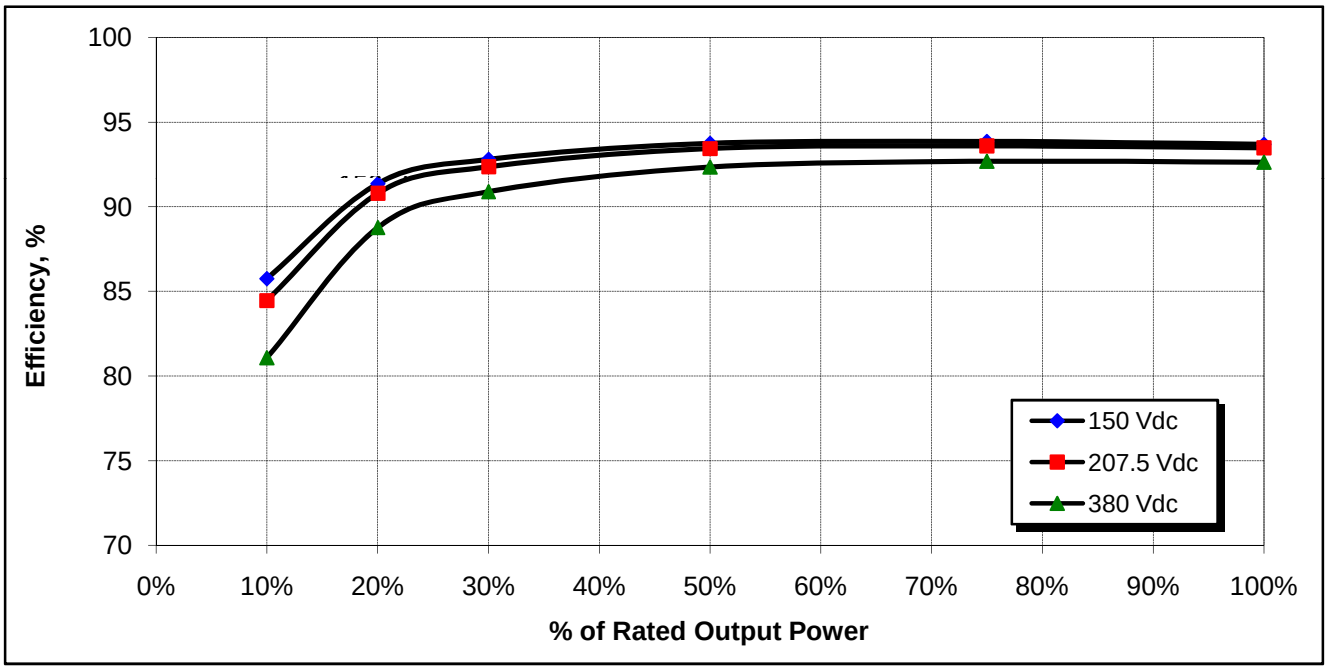
Model #: PVP2000

Rated Maximum Continuous Output Power: 2.00 kW Night Tare Loss: -3.60 W

Vmin: 150 Vdc Vnom: 207.5 Vdc Vmax: 380 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.20	0.40	0.60	1.00	1.50	2.00	Wtd
Vmin	150	85.7	91.4	92.8	93.7	93.9	93.7	93.3
Vnom	207.5	84.5	90.8	92.4	93.5	93.6	93.5	92.9
Vmax	380	81.1	88.8	90.9	92.3	92.7	92.6	91.7

CEC Efficiency = 92.5%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	196.6	151.0	85.74	196.4	151.1	85.72	196.5	151.0	85.72	196.6	151.0	85.81	196.5	151.0	85.70
20%	Vmin	433.5	151.0	91.31	433.7	151.0	91.29	433.9	151.0	91.48	433.3	151.0	91.30	433.2	151.0	91.33
30%	Vmin	641.5	151.0	92.76	641.5	151.0	92.79	641.8	150.9	92.85	641.8	151.0	92.82	642.1	151.0	92.85
50%	Vmin	1089.0	150.9	93.77	1088.4	150.9	93.78	1090.1	150.9	93.79	1089.8	150.9	93.71	1090.3	150.9	93.78
75%	Vmin	1580.5	150.8	93.87	1580.4	150.8	93.87	1580.6	150.8	93.88	1580.1	150.8	93.84	1579.5	150.8	93.86
100%	Vmin	1930.2	150.8	93.67	1928.6	150.7	93.68	1930.2	150.7	93.69	1930.4	150.7	93.68	1930.2	150.7	93.70
10%	Vnom	195.2	208.4	84.52	195.2	208.4	84.48	195.6	208.4	84.57	195.6	208.4	84.58	195.2	208.4	84.46
20%	Vnom	436.3	208.3	90.85	435.8	208.4	90.84	435.8	208.3	90.78	436.4	208.3	90.82	436.0	208.3	90.76
30%	Vnom	642.9	208.3	92.44	643.1	208.3	92.45	642.8	208.4	92.31	642.6	208.3	92.32	642.4	208.4	92.28
50%	Vnom	1086.1	208.3	93.42	1085.2	208.3	93.47	1085.8	208.3	93.42	1085.4	208.3	93.48	1084.8	208.3	93.47
75%	Vnom	1575.2	208.3	93.55	1574.2	208.2	93.56	1576.5	208.2	93.58	1575.1	208.2	93.59	1574.5	208.2	93.61
100%	Vnom	1928.3	208.1	93.44	1929.0	208.2	93.49	1928.9	208.2	93.49	1929.3	208.2	93.49	1927.2	208.2	93.49
10%	Vmax	195.7	380.8	81.09	195.6	380.8	81.06	195.2	380.8	81.10	195.4	380.8	81.01	195.5	380.8	81.16
20%	Vmax	430.6	380.8	88.80	430.9	380.8	88.74	430.9	380.8	88.80	430.9	380.8	88.77	430.9	380.8	88.76
30%	Vmax	641.8	380.8	90.88	642.3	380.8	90.86	643.3	380.8	90.91	643.2	380.8	90.92	644.2	380.8	90.93
50%	Vmax	1074.9	380.8	92.34	1075.5	380.8	92.34	1076.0	380.8	92.36	1076.0	380.8	92.36	1075.9	380.8	92.35
75%	Vmax	1584.6	380.7	92.62	1585.1	380.8	92.64	1584.9	380.7	92.73	1584.0	380.8	92.69	1585.6	380.8	92.74
100%	Vmax	1921.0	380.7	92.64	1921.8	380.7	92.64	1920.6	380.7	92.62	1923.4	380.8	92.64	1922.8	380.8	92.63

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	196.9	151.0	85.76	196.7	151.0	85.79	196.7	151.0	85.76						
20%	Vmin	433.1	151.0	91.356	433.4	151.0	91.453	433.5	151.0	91.425						
30%	Vmin	642.1	151.0	92.838	642.5	150.9	92.751	641.5	151.0	92.763						
50%	Vmin	1090.3	150.9	93.711	1084.6	150.9	93.687	1084.7	150.9	93.736						
75%	Vmin	1579.2	150.8	93.877	1578.8	150.8	93.823	1577.9	150.8	93.857						
100%	Vmin	1930.3	150.7	93.702	1929.5	150.7	93.702	1929.4	150.7	93.707						
10%	Vnom	195.0	208.4	84.365	195.3	208.4	84.496	194.9	208.4	84.339						
20%	Vnom	436.0	208.3	90.782	435.8	208.3	90.806	435.3	208.3	90.744						
30%	Vnom	642.4	208.3	92.422	642.2	208.3	92.430	642.0	208.3	92.296						
50%	Vnom	1084.8	208.3	93.454	1084.6	208.3	93.422	1084.8	208.2	93.484						
75%	Vnom	1574.4	208.2	93.620	1575.0	208.2	93.621	1575.8	208.2	93.616						
100%	Vnom	1928.7	208.2	93.500	1928.6	208.2	93.559	1925.8	208.2	93.417						
10%	Vmax	195.1	380.8	81.053	195.6	380.8	81.052	195.6	380.8	81.123						
20%	Vmax	431.3	380.8	88.792	431.4	380.8	88.781	431.2	380.8	88.704						
30%	Vmax	643.3	380.8	90.912	643.9	380.8	90.880	643.8	380.8	90.873						
50%	Vmax	1075.4	380.8	92.327	1075.8	380.7	92.356	1075.5	380.9	92.310						
75%	Vmax	1585.5	380.8	92.702	1586.6	380.8	92.718	1584.8	380.8	92.626						
100%	Vmax	1922.7	380.8	92.638	1923.4	380.8	92.631									