Manufacturer: PVPowered

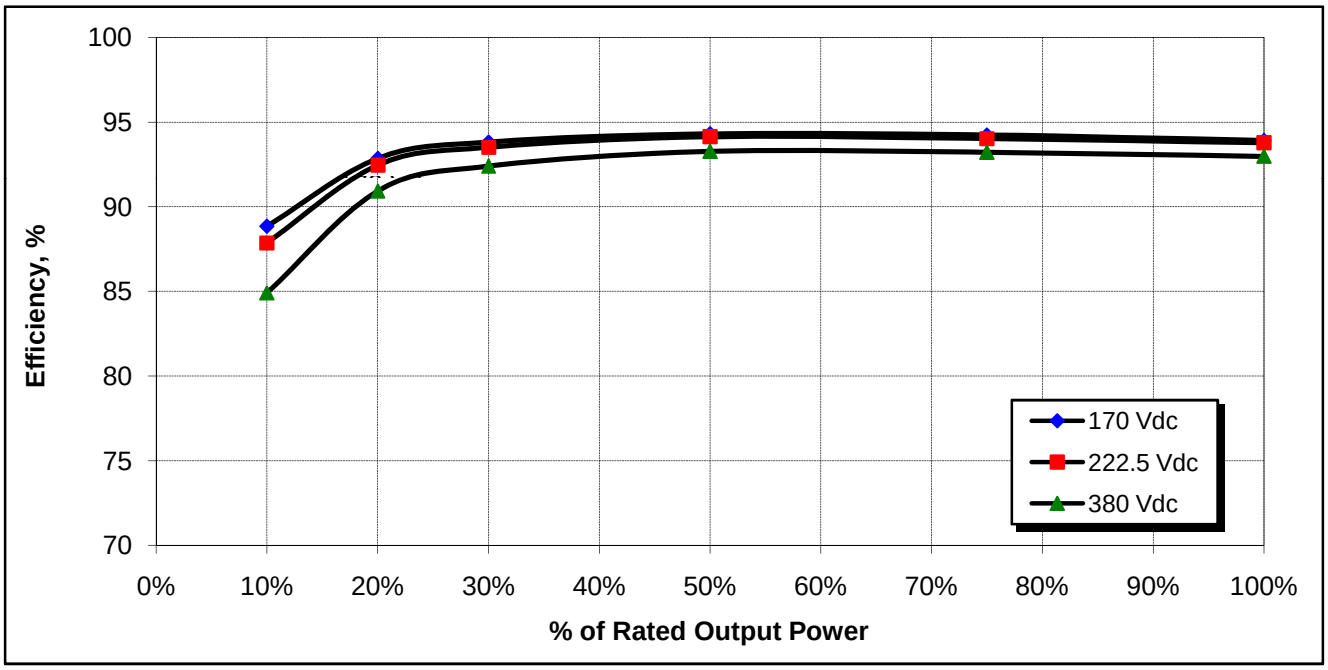
Model #: PVP 3000

Rated Maximum Continuous Output Power: 3.00 kW Night Tare Loss: -3.63 W

Vmin: 170 Vdc Vnom: 222.5 Vdc Vmax: 380 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	170	88.9	92.9	93.8	94.3	94.2	93.9	93.9
Vnom	222.5	87.9	92.5	93.5	94.1	94.0	93.8	93.7
Vmax	380	84.9	90.9	92.4	93.3	93.2	93.0	92.7

CEC Efficiency = 93.5%



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	296.9	170.8	88.81	296.6	170.8	88.94	296.7	170.8	88.84	296.9	170.8	88.93	296.7	170.8	88.81
20%	Vmin	654.2	170.8	92.81	655.1	170.8	92.96	654.2	170.8	92.81	653.0	170.8	92.81	654.1	170.8	92.96
30%	Vmin	964.2	170.7	93.78	966.0	170.7	93.92	964.7	170.7	93.78	965.7	170.7	93.91	964.4	170.7	93.79
50%	Vmin	1637.3	170.7	94.36	1637.3	170.6	94.23	1639.6	170.6	94.39	1636.0	170.6	94.25	1638.5	170.7	94.36
75%	Vmin	2168.9	170.5	94.34	2167.0	170.5	94.18	2169.5	170.5	94.34	2168.5	170.5	94.19	2171.1	170.5	94.30
100%	Vmin	2883.7	170.4	93.84	2887.7	170.4	94.02	2880.6	170.4	93.89	2887.3	170.4	93.99	2884.0	170.4	93.92
10%	Vnom	296.3	223.4	87.93	295.8	223.4	87.84	296.4	223.4	87.95	296.0	223.4	87.83	295.9	223.4	87.90
20%	Vnom	653.7	223.4	92.39	655.0	223.3	92.52	654.0	223.3	92.38	655.9	223.4	92.54	653.9	223.3	92.39
30%	Vnom	959.8	223.3	93.49	959.0	223.3	93.46	960.8	223.3	93.60	959.8	223.3	93.47	961.3	223.4	93.61
50%	Vnom	1643.5	223.2	94.06	1646.8	223.2	94.22	1645.6	223.2	94.06	1647.3	223.2	94.22	1648.2	223.2	94.23
75%	Vnom	2167.4	223.2	93.99	2172.9	223.2	94.16	2168.0	223.2	94.00	2160.3	223.2	94.14	2158.3	223.2	93.94
100%	Vnom	2876.2	223.0	93.72	2882.7	223.0	93.88	2880.2	223.0	93.74	2884.1	223.0	93.87	2879.6	223.0	93.69
10%	Vmax	292.3	380.4	84.86	293.0	380.3	84.95	292.5	380.4	84.86	293.0	380.4	84.99	292.5	380.3	84.88
20%	Vmax	654.5	380.3	90.90	655.5	380.3	91.01	654.2	380.4	90.85	654.9	380.4	90.88	655.4	380.3	91.02
30%	Vmax	968.1	380.3	92.34	968.2	380.3	92.46	966.7	380.3	92.35	968.1	380.3	92.45	966.9	380.3	92.33
50%	Vmax	1644.4	380.2	93.20	1646.3	380.3	93.35	1643.6	380.3	93.18	1648.2	380.3	93.36	1640.3	380.3	93.21
75%	Vmax	2161.1	380.2	93.14	2162.6	380.3	93.15	2164.9	380.3	93.32	2159.9	380.2	93.16	2164.1	380.2	93.33
100%	Vmax	2865.9	380.2	92.93	2873.6	380.2	93.12	2868.8	380.1	92.93	2873.3	380.2	93.06	2861.3	380.2	92.91

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	297.3	170.8	88.88	296.8	170.8	88.81	296.6	170.8	88.81						
20%	Vmin	653.5	170.8	92.807	654.6	170.8	92.942	653.3	170.8	92.800						
30%	Vmin	964.2	170.7	93.755	965.1	170.7	93.935	964.1	170.8	93.773						
50%	Vmin	1636.4	170.6	94.251	1636.4	170.6	94.395	1635.1	170.6	94.232						
75%	Vmin	2167.8	170.5	94.154	2170.4	170.5	94.302	2168.1	170.5	94.194						
100%	Vmin	2884.6	170.4	93.873	2890.2	170.4	94.013	2886.2	170.4	93.834						
10%	Vnom	295.5	223.4	87.803	296.2	223.4	87.908	296.3	223.4	87.840						
20%	Vnom	655.4	223.3	92.500	654.8	223.4	92.397	655.7	223.3	92.520						
30%	Vnom	959.4	223.3	93.482	961.5	223.3	93.610	960.5	223.3	93.477						
50%	Vnom	1644.1	223.2	94.058	1646.3	223.2	94.181	1643.7	223.2	94.074						
75%	Vnom	2163.6	223.1	94.125	2160.7	223.2	93.976	2160.1	223.2	93.984						
100%	Vnom	2883.1	223.0	93.836	2874.5	223.0	93.716	2879.7	223.0	93.848						
10%	Vmax	292.6	380.3	84.877	293.0	380.4	84.970	292.7	380.4	84.882						
20%	Vmax	655.0	380.3	90.894	656.0	380.3	91.012	654.7	380.4	90.867						
30%	Vmax	968.5	380.3	92.476	968.5	380.3	92.353	970.7	380.3	92.457						
50%	Vmax	1647.0	380.3	93.299	1645.5	380.3	93.190	1648.0	380.3	93.337						
75%	Vmax	2160.3	380.3	93.196	2164.1	380.3	93.305	2156.2	380.2	93.151						
100%	Vmax	2870.9	380.2	93.080	2867.1	380.2	92.909	2869.0	380.1	92.926						