Manufacturer: PVPowered

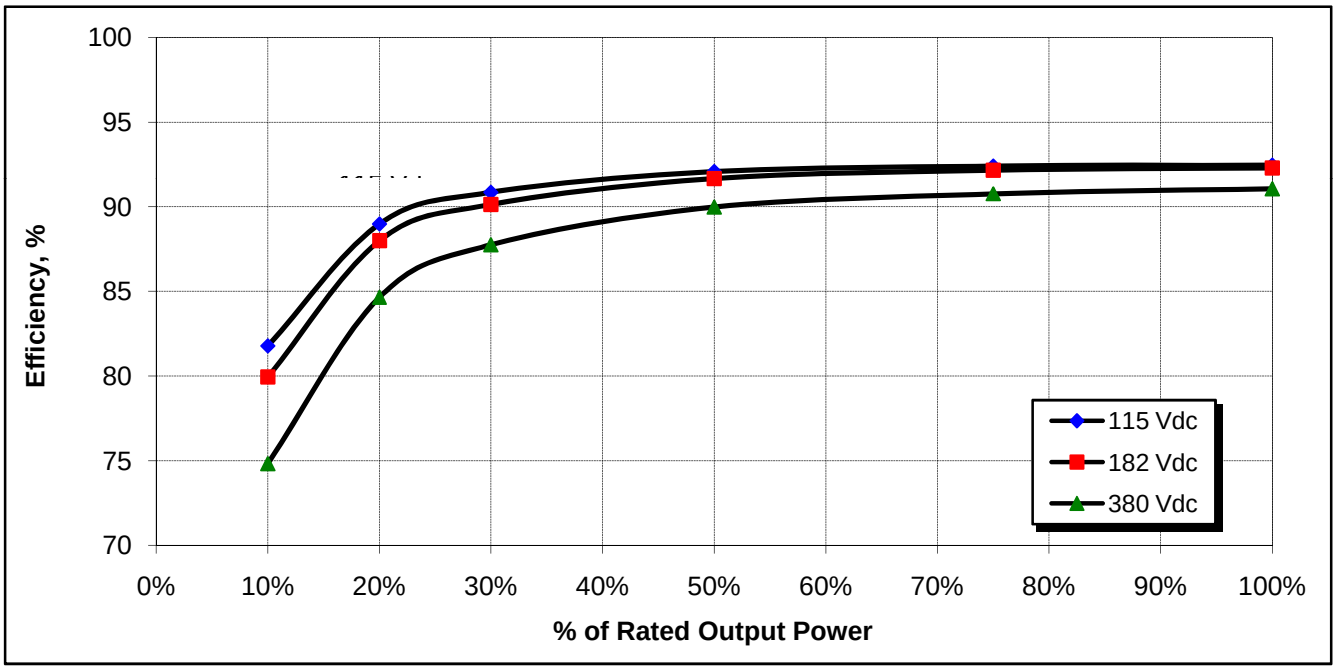
Model #: PVP1100EVR

Rated Maximum Continuous Output Power: 1.10 kW Night Tare Loss: -3.60 W

Vmin: 115 Vdc Vnom: 182 Vdc Vmax: 380 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.11	0.22	0.33	0.55	0.83	1.10	Wtd
Vmin	115	81.8	89.0	90.9	92.1	92.4	92.5	91.6
Vnom	182	79.9	88.0	90.1	91.7	92.2	92.3	91.1
Vmax	380	74.8	84.7	87.8	90.0	90.8	91.1	89.3

CEC Efficiency = 90.5%



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	106.8	115.8	81.68	106.9	115.9	81.71	107.0	115.8	81.77	107.1	115.8	81.93	106.9	115.8	81.70
20%	Vmin	237.6	115.8	89.14	237.3	115.8	88.95	237.8	115.8	89.01	237.5	115.8	89.08	237.2	115.8	88.90
30%	Vmin	357.3	115.8	90.70	358.3	115.8	90.94	358.3	115.8	90.94	358.6	115.8	90.87	358.6	115.8	90.86
50%	Vmin	588.6	115.7	92.11	586.6	115.7	91.95	588.3	115.7	92.12	587.7	115.7	91.98	588.3	115.7	92.14
75%	Vmin	830.8	115.7	92.54	829.0	115.7	92.35	830.4	115.7	92.49	828.8	115.7	92.31	832.5	115.7	92.48
100%	Vmin	1075.6	115.6	92.38	1077.7	115.6	92.53	1074.6	115.6	92.35	1076.9	115.6	92.56	1075.9	115.6	92.35
10%	Vnom	108.0	180.8	80.00	107.8	180.8	79.90	107.9	180.8	79.99	107.8	180.8	80.04	107.5	180.8	79.84
20%	Vnom	237.8	182.8	88.08	237.3	182.8	87.93	237.6	182.7	88.09	237.2	182.8	87.94	237.6	182.8	88.07
30%	Vnom	354.2	182.8	90.20	353.1	182.7	90.06	354.2	182.7	90.20	353.5	182.7	90.10	353.9	182.7	90.21
50%	Vnom	583.9	182.7	91.77	583.3	182.7	91.77	581.8	182.7	91.54	583.1	182.8	91.74	582.8	182.7	91.54
75%	Vnom	826.5	182.7	92.22	824.9	182.7	92.07	826.7	182.7	92.23	825.8	182.7	92.05	823.3	182.7	92.19
100%	Vnom	1070.6	182.6	92.22	1072.7	182.6	92.39	1074.6	182.6	92.37	1073.1	182.6	92.23	1074.1	182.6	92.37
10%	Vmax	109.3	380.7	74.81	109.1	380.6	74.82	109.4	380.6	74.91	109.1	380.6	74.83	109.1	380.7	74.77
20%	Vmax	230.3	380.5	84.59	230.5	380.6	84.66	230.5	380.6	84.61	230.9	380.6	84.64	231.1	380.6	84.76
30%	Vmax	351.4	380.5	87.65	352.9	380.5	87.84	352.5	380.5	87.72	353.1	380.5	87.84	352.2	380.5	87.73
50%	Vmax	573.2	380.5	89.93	574.0	380.5	90.06	573.9	380.5	90.07	573.1	380.6	89.89	573.9	380.5	90.04
75%	Vmax	818.9	380.5	90.82	817.3	380.5	90.73	819.7	380.5	90.83	818.6	380.5	90.71	819.1	380.5	90.79
100%	Vmax	1064.4	380.4	91.00	1065.4	380.4	91.14	1064.3	380.4	91.01	1064.2	380.4	90.99	1066.0	380.4	91.13

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	107.0	115.8	81.86	107.1	115.8	81.80	107.0	115.9	81.82						
20%	Vmin	237.6	115.8	89.002	237.3	115.8	88.823	237.3	115.8	89.017						
30%	Vmin	358.9	115.8	90.901	358.7	115.8	90.914	358.3	115.8	90.760						
50%	Vmin	587.7	115.7	92.122	586.9	115.7	92.123	587.2	115.7	92.087						
75%	Vmin	829.3	115.7	92.351	831.3	115.7	92.478	830.1	115.7	92.309						
100%	Vmin	1074.4	115.6	92.520	1073.8	115.6	92.384	1078.5	115.6	92.568						
10%	Vnom	107.9	180.8	79.996	107.7	180.8	79.964	108.1	180.8	79.864						
20%	Vnom	237.3	182.8	87.945	237.6	182.8	88.023	237.1	182.8	87.908						
30%	Vnom	353.1	182.7	90.054	353.8	182.7	90.198	354.0	182.7	90.081						
50%	Vnom	583.9	182.7	91.702	583.1	182.7	91.539	584.3	182.7	91.693						
75%	Vnom	826.2	182.7	92.186	824.6	182.7	92.063	826.1	182.7	92.224						
100%	Vnom	1072.5	182.6	92.199	1073.6	182.6	92.320	1071.4	182.6	92.198						
10%	Vmax	109.4	380.6	74.898	109.2	380.6	74.792	109.3	380.6	74.816						
20%	Vmax	230.9	380.6	84.609	231.1	380.6	84.741	230.9	380.6	84.623						
30%	Vmax	352.9	380.5	87.832	352.2	380.5	87.720	352.6	380.5	87.729						
50%	Vmax	572.7	380.5	89.927	574.1	380.5	90.067	573.3	380.5	89.922						
75%	Vmax	817.2	380.5	90.704	819.9	380.5	90.841	818.6	380.5	90.710						
100%	Vmax	1065.4	380.4	91.013	1067.5	380.4	91.136	1065.2	380.4	91.007						