Manufacturer: PV Powered

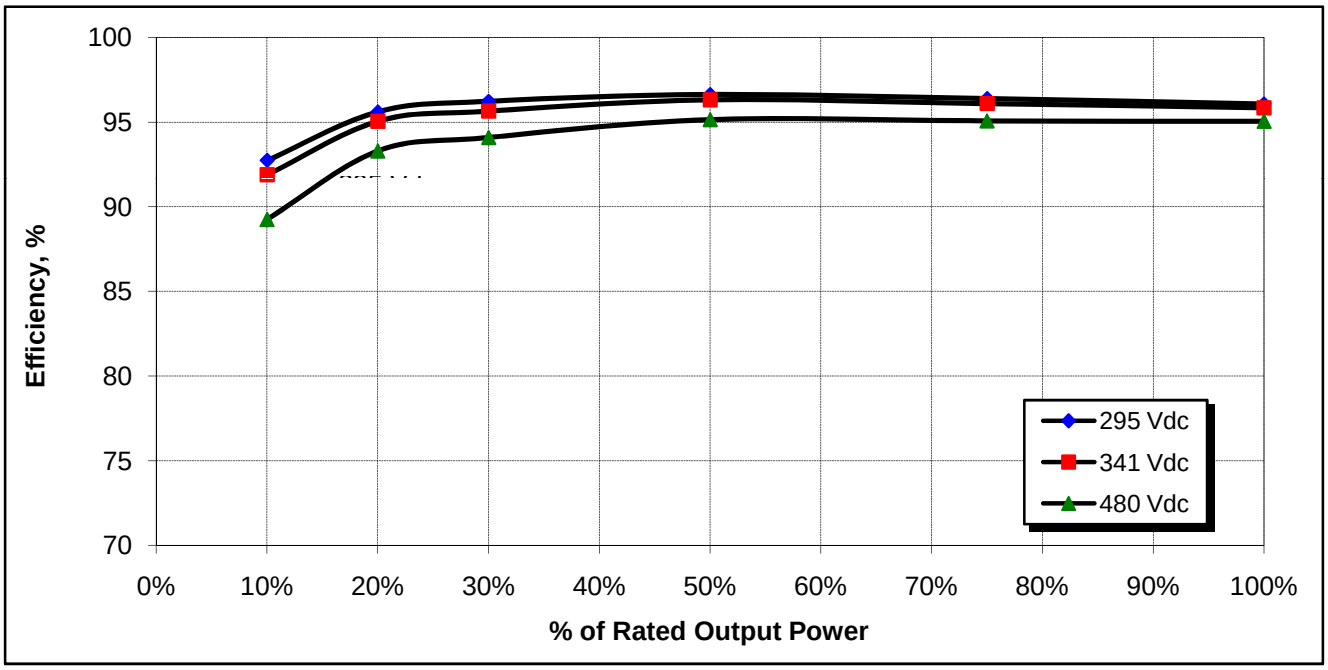
Model #: PVP75KW-480

Rated Maximum Continuous Output Power: 75.00 kW Night Tare Loss: _____ W

Vmin: 295 Vdc Vnom: 341 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		7.50	15.00	22.50	37.50	56.25	75.00	Wtd
Vmin	295	92.7	95.6	96.2	96.6	96.4	96.1	96.2
Vnom	341	91.9	95.0	95.6	96.3	96.1	95.8	95.9
Vmax	480	89.2	93.3	94.1	95.2	95.1	95.0	94.6

CEC Efficiency = 95.5%



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	7438.4	296.1	92.55	7438.4	295.9	92.51	7453.1	295.9	92.70	7441.5	295.9	92.79	7439.0	295.9	92.67
20%	Vmin	16425.0	295.4	95.57	16428.0	295.4	95.60	16437.0	295.4	95.59	16437.0	295.4	95.65	16428.0	295.4	95.61
30%	Vmin	24333.0	295.0	96.21	24322.0	295.0	96.17	24332.0	295.0	96.21	24330.0	295.0	96.25	24325.0	295.0	96.22
50%	Vmin	41225.0	295.3	96.66	41231.0	295.3	96.67	41227.0	295.3	96.65	41233.0	295.3	96.65	41226.0	295.3	96.62
75%	Vmin	53370.0	295.3	96.40	53364.0	295.3	96.39	53371.0	295.3	96.41	53359.0	295.3	96.40	53357.0	295.3	96.40
100%	Vmin	71571.0	295.6	96.11	71574.0	295.6	96.10	71570.0	295.6	96.08	71574.0	295.6	96.09	71566.0	295.6	96.10
10%	Vnom	7434.2	341.4	91.79	7431.5	341.4	91.80	7422.8	341.4	91.66	7436.0	341.4	91.83	7433.0	341.4	91.87
20%	Vnom	16426.0	341.3	94.99	16425.0	341.3	94.95	16422.0	341.3	95.00	16436.0	341.3	95.15	16426.0	341.3	95.09
30%	Vnom	24314.0	341.3	95.65	24316.0	341.3	95.70	24323.0	341.3	95.72	24313.0	341.3	95.59	24324.0	341.3	95.68
50%	Vnom	41232.0	341.4	96.32	41228.0	341.4	96.33	41225.0	341.4	96.30	41236.0	341.4	96.32	41229.0	341.4	96.32
75%	Vnom	53356.0	341.7	96.12	53348.0	341.7	96.09	53351.0	341.7	96.10	53349.0	341.7	96.09	53347.0	341.7	96.08
100%	Vnom	71537.0	341.4	95.85	71541.0	341.4	95.85	71534.0	341.4	95.85	71539.0	341.4	95.83	71546.0	341.4	95.84
10%	Vmax	7456.2	480.8	89.21	7449.3	480.8	89.26	7465.6	480.8	89.31	7455.9	480.8	89.19	7462.3	480.8	89.40
20%	Vmax	16441.0	480.7	93.37	16429.0	480.7	93.33	16441.0	480.6	93.35	16436.0	480.6	93.31	16430.0	480.6	93.25
30%	Vmax	24324.0	480.7	94.07	24315.0	480.7	94.10	24324.0	480.7	94.13	24312.0	480.7	94.09	24312.0	480.7	94.13
50%	Vmax	41211.0	481.1	95.13	41220.0	481.1	95.17	41206.0	481.1	95.11	41211.0	481.1	95.15	41212.0	481.1	95.16
75%	Vmax	53366.0	481.1	95.08	53374.0	481.1	95.08	53366.0	481.1	95.09	53368.0	481.1	95.09	53367.0	481.1	95.09
100%	Vmax	71536.0	480.8	95.04	71536.0	480.8	95.05	71537.0	480.8	95.05	71537.0	480.8	95.02	71535.0	480.8	95.04

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	7453.3	295.9	92.93	7447.8	295.9	92.83	7447.3	295.9	92.68	7454.9	295.9	92.87	7446.1	295.9	92.81
20%	Vmin	16426.0	295.4	95.556	16438.0	295.4	95.631	16421.0	295.4	95.619	16411.0	295.4	95.549	16429.0	295.4	95.688
30%	Vmin	24320.0	295.0	96.234	24334.0	295.0	96.287	24324.0	295.0	96.271	24331.0	295.0	96.261	24322.0	295.0	96.260
50%	Vmin	41226.0	295.3	96.599	41242.0	295.3	96.665	41224.0	295.3	96.615	41233.0	295.3	96.615	41228.0	295.3	96.579
75%	Vmin	53363.0	295.3	96.389	53355.0	295.3	96.387	53353.0	295.3	96.380	53360.0	295.3	96.407	53368.0	295.3	96.406
100%	Vmin	71570.0	295.6	96.090	71571.0	295.6	96.071	71567.0	295.6	96.056	71570.0	295.6	96.051	71560.0	295.6	96.046
10%	Vnom	7422.7	341.4	92.008	7426.5	341.4	92.063	7418.5	341.4	91.816	7436.8	341.4	92.041	7433.6	341.4	91.973
20%	Vnom	16430.0	341.3	95.077	16431.0	341.3	95.070	16424.0	341.3	94.993	16419.0	341.3	94.973	16435.0	341.3	95.172
30%	Vnom	24313.0	341.3	95.659	24314.0	341.3	95.629	24307.0	341.3	95.635	24305.0	341.3	95.595	24313.0	341.3	95.605
50%	Vnom	41238.0	341.4	96.326	41221.0	341.4	96.292	41228.0	341.4	96.284	41223.0	341.4	96.321	41232.0	341.3	96.319
75%	Vnom	53348.0	341.7	96.106	53357.0	341.7	96.097	53339.0	341.7	96.085	53345.0	341.7	96.097	53347.0	341.7	96.087
100%	Vnom	71540.0	341.4	95.830	71541.0	341.4	95.841	71542.0	341.4	95.830	71539.0	341.4	95.819	71540.0	341.4	95.836
10%	Vmax	7457.3	480.8	89.250	7451.9	480.8	89.165	7464.0	480.8	89.352	7454.1	480.8	89.163	7455.8	480.8	89.173
20%	Vmax	16441.0	480.7	93.309	16436.0	480.6	93.290	16447.0	480.7	93.343	16442.0	480.7	93.181	16435.0	480.7	93.190
30%	Vmax	24323.0	480.7	94.149	24307.0	480.7	94.120	24323.0	480.7	94.075	24309.0	480.7	93.999	24326.0	480.7	94.054
50%	Vmax	41237.0	481.1	95.201	41240.0	481.1	95.175	41235.0	481.1	95.120	41242.0	481.1	95.174	41219.0	481.1	95.119
75%	Vmax	53366.0	481.1	95.085	53363.0	481.1	95.042	53364.0	481.1	95.046	53348.0	481.1	95.039	53360.0	481.1	95.077
100%	Vmax	71536.0	480.8	95.021	71537.0	480.8	95.076	71538.0	480.8	95.045	71535.0	480.8	95.042	71540.0	480.8	95.046