Manufacturer: PV Powered

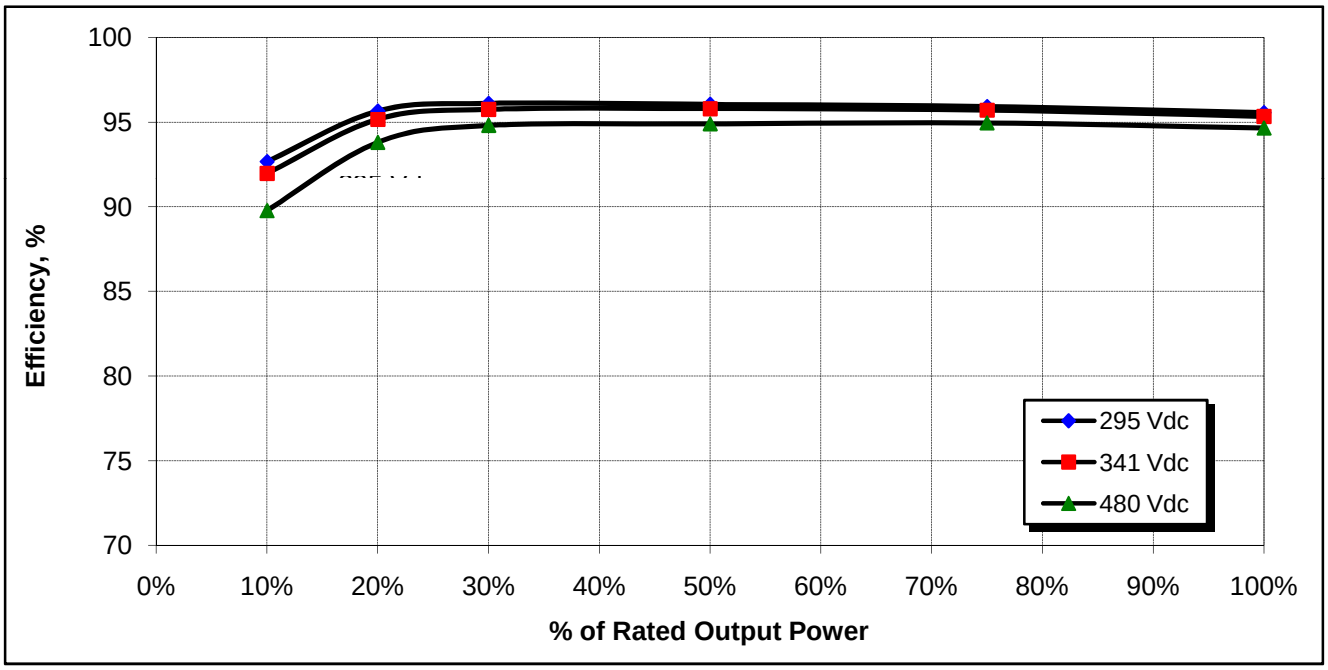
Model #: PVP75KW-208

Rated Maximum Continuous Output Power: 75.00 kW Night Tare Loss: 50.00 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	96.1	96.0	95.9	95.6	95.8
Vnom	341	92.0	95.2	95.8	95.8	95.7	95.3	95.5
Vmax	480	89.8	93.8	94.8	94.9	95.0	94.6	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	8067.3	296.1	92.66	8064.2	296.1	92.66	8051.4	296.1	92.73	8071.1	296.2	92.51	8061.5	296.2	92.80
20%	Vmin	17238.0	295.8	95.58	17218.0	295.8	95.65	17235.0	295.8	95.61	17216.0	295.8	95.70	17232.0	295.8	95.63
30%	Vmin	24949.0	295.6	96.10	24932.0	295.6	96.19	24935.0	295.6	96.16	24954.0	295.6	96.10	24960.0	295.6	96.06
50%	Vmin	42919.0	295.9	96.08	42930.0	295.9	96.06	42929.0	295.8	96.08	42920.0	295.9	96.09	42930.0	295.9	96.06
75%	Vmin	54890.0	295.4	95.92	54889.0	295.4	95.93	54885.0	295.4	95.93	54901.0	295.4	95.89	54890.0	295.4	95.92
100%	Vmin	74584.0	295.4	95.55	74593.0	295.4	95.54	74586.0	295.4	95.55	74587.0	295.4	95.55	74583.0	295.4	95.55
10%	Vnom	8105.5	341.7	91.98	8089.8	341.7	92.03	8102.1	341.7	92.13	8116.0	341.7	91.74	8108.1	341.7	92.06
20%	Vnom	17275.0	341.8	95.26	17303.0	341.8	95.07	17291.0	341.8	95.18	17290.0	341.8	95.19	17290.0	341.8	95.20
30%	Vnom	25032.0	341.8	95.72	25034.0	341.8	95.69	25028.0	341.8	95.74	25027.0	341.8	95.71	25011.0	341.8	95.76
50%	Vnom	43027.0	341.7	95.78	43020.0	341.8	95.81	43023.0	341.7	95.80	43018.0	341.8	95.83	43023.0	341.7	95.82
75%	Vnom	55364.0	341.5	95.70	55371.0	341.5	95.70	55359.0	341.5	95.71	55351.0	341.5	95.73	55364.0	341.5	95.71
100%	Vnom	74765.0	341.8	95.33	74767.0	341.8	95.33	74764.0	341.8	95.33	74755.0	341.8	95.34	74760.0	341.8	95.34
10%	Vmax	8323.1	481.0	89.50	8325.6	481.0	89.60	8325.7	481.0	89.55	8311.7	481.0	89.73	8297.6	481.0	89.91
20%	Vmax	17537.0	481.2	93.86	17544.0	481.2	93.78	17522.0	481.2	93.90	17535.0	481.2	93.79	17524.0	481.2	93.88
30%	Vmax	25355.0	481.0	94.80	25269.0	481.0	94.80	25258.0	481.0	94.84	25260.0	481.0	94.80	25266.0	481.0	94.76
50%	Vmax	43395.0	480.7	94.94	43432.0	480.7	94.88	43441.0	480.7	94.86	43422.0	480.7	94.91	43428.0	480.7	94.89
75%	Vmax	55803.0	480.9	94.95	55804.0	480.9	94.95	55795.0	480.9	94.96	55812.0	480.9	94.93	55803.0	480.9	94.94
100%	Vmax	75274.0	480.6	94.69	75280.0	480.6	94.68	75303.0	480.6	94.65	75294.0	480.6	94.66	75298.0	480.6	94.65

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	8064.9	296.2	92.66	8069.7	296.1	92.70	8073.8	296.1	92.55	8062.9	296.1	92.79	8063.6	296.1	92.67
20%	Vmin	17227.0	295.8	95.692	17223.0	295.9	95.659	17212.0	295.9	95.681	17232.0	295.8	95.614	17232.0	295.8	95.628
30%	Vmin	24952.0	295.6	96.091	24952.0	295.6	96.106	24960.0	295.6	96.062	24955.0	295.6	96.102	24949.0	295.6	96.093
50%	Vmin	42934.0	295.9	96.040	42954.0	295.9	96.002	42941.0	295.8	96.021	42951.0	295.9	95.998	42946.0	295.9	96.002
75%	Vmin	54899.0	295.4	95.907	54896.0	295.4	95.910	54889.0	295.4	95.926	54902.0	295.4	95.905	54887.0	295.4	95.932
100%	Vmin	74583.0	295.4	95.554	74582.0	295.4	95.556	74578.0	295.4	95.560	74592.0	295.4	95.541	74586.0	295.4	95.554
10%	Vnom	8104.0	341.7	92.027	8101.5	341.7	91.976	8107.3	341.7	91.955	8113.5	341.7	91.849	8106.8	341.7	91.918
20%	Vnom	17293.0	341.8	95.123	17296.0	341.8	95.176	17291.0	341.8	95.157	17303.0	341.8	95.069	17297.0	341.8	95.204
30%	Vnom	25018.0	341.8	95.743	25013.0	341.8	95.794	25001.0	341.8	95.850	25017.0	341.8	95.776	25012.0	341.8	95.754
50%	Vnom	43026.0	341.7	95.804	43030.0	341.8	95.789	43029.0	341.8	95.786	43024.0	341.7	95.793	43029.0	341.7	95.756
75%	Vnom	55362.0	341.5	95.714	55370.0	341.5	95.703	55367.0	341.6	95.690	55372.0	341.6	95.693	55362.0	341.6	95.711
100%	Vnom	74759.0	341.8	95.339	74769.0	341.8	95.324	74764.0	341.8	95.329	74743.0	341.8	95.359	74742.0	341.8	95.361
10%	Vmax	8326.7	481.0	89.588	8295.0	481.0	89.881	8269.3	481.0	90.077	8276.1	481.0	90.052	8296.0	481.1	89.905
20%	Vmax	17528.0	481.2	93.798	17527.0	481.2	93.786	17536.0	481.2	93.832	17544.0	481.2	93.765	17552.0	481.2	93.673
30%	Vmax	25258.0	481.0	94.836	25251.0	481.0	94.874	25271.0	481.0	94.780	25273.0	481.0	94.759	25266.0	481.0	94.817
50%	Vmax	43433.0	480.7	94.878	43433.0	480.7	94.875	43424.0	480.7	94.896	43410.0	480.7	94.932	43420.0	480.7	94.908
75%	Vmax	55785.0	480.9	94.971	55796.0	480.9	94.957	55795.0	480.9	94.955	55784.0	480.9	94.975	55789.0	480.9	94.964
100%	Vmax	75307.0	480.6	94.646	75320.0	480.6	94.626	75324.0	480.6	94.622	75316.0	480.6	94.634	75309.0	480.6	94.640