Manufacturer: PVPowered

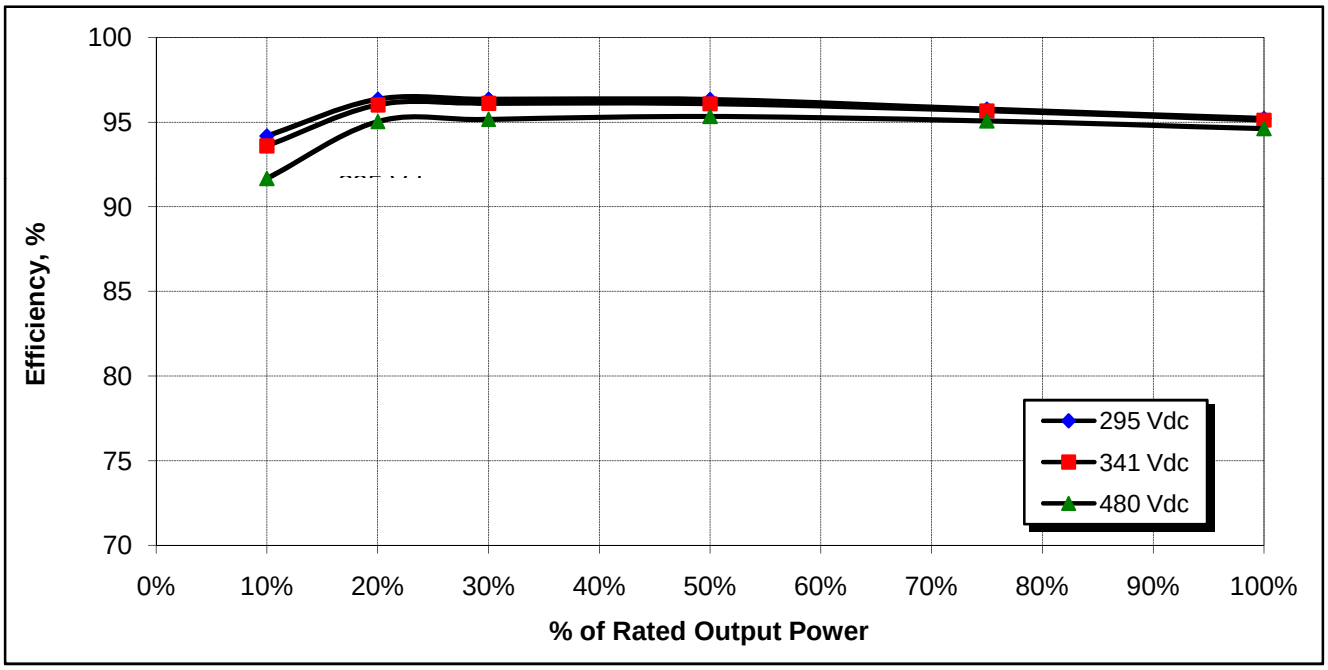
Model #: PVP 100kW-208V

Rated Maximum Continuous Output Power: 100.00 kW Night Tare Loss: 42.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		10.00	20.00	30.00	50.00	75.00	100.00	Wtd
Vmin	295	94.2	96.4	96.3	96.3	95.8	95.2	95.9
Vnom	341	93.6	96.0	96.1	96.1	95.7	95.1	95.7
Vmax	480	91.7	95.0	95.2	95.3	95.1	94.6	95.0

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	9139.2	296.7	94.26	9129.6	296.7	94.10	9126.0	296.7	94.09	9135.8	296.7	94.20	9116.5	296.7	93.97
20%	Vmin	21770.0	295.6	96.36	21773.0	295.6	96.41	21786.0	295.7	96.43	21769.0	295.6	96.36	21775.0	295.6	96.26
30%	Vmin	32058.0	295.7	96.32	32062.0	295.7	96.33	32076.0	295.7	96.35	32086.0	295.7	96.41	32081.0	295.7	96.37
50%	Vmin	48004.0	295.3	96.36	48007.0	295.3	96.36	48000.0	295.3	96.32	48001.0	295.3	96.32	48011.0	295.3	96.33
75%	Vmin	70277.0	295.9	95.75	70289.0	295.9	95.75	70281.0	295.9	95.77	70291.0	295.9	95.77	70285.0	295.8	95.76
100%	Vmin	95301.0	295.3	95.22	95290.0	295.3	95.24	95323.0	295.2	95.23	95319.0	295.2	95.22	95308.0	295.3	95.20
10%	Vnom	9133.1	342.6	93.66	9132.5	342.6	93.54	9132.3	342.6	93.54	9119.2	342.6	93.42	9123.9	342.6	93.64
20%	Vnom	21759.0	342.1	95.91	21750.0	342.2	95.94	21778.0	342.1	96.04	21769.0	342.1	96.00	21781.0	342.1	96.08
30%	Vnom	32067.0	342.3	96.12	32063.0	342.3	96.09	32061.0	342.3	96.10	32062.0	342.3	96.13	32063.0	342.3	96.14
50%	Vnom	47990.0	342.3	96.08	47998.0	342.3	96.09	47998.0	342.2	96.06	47989.0	342.3	96.06	48010.0	342.3	96.11
75%	Vnom	71725.0	341.9	95.67	71705.0	341.9	95.67	71677.0	341.9	95.67	71674.0	341.9	95.68	71701.0	341.9	95.67
100%	Vnom	95266.0	341.4	95.19	95262.0	341.4	95.17	95299.0	341.4	95.16	95291.0	341.4	95.14	95252.0	341.4	95.13
10%	Vmax	9159.4	481.6	91.42	9163.5	481.6	91.73	9159.9	481.6	91.71	9159.8	481.6	91.46	9162.7	481.6	91.52
20%	Vmax	21758.0	482.3	95.09	21755.0	482.2	94.98	21763.0	482.3	95.01	21781.0	482.3	95.05	21782.0	482.3	95.07
30%	Vmax	32064.0	482.2	95.13	32052.0	482.2	95.18	32054.0	482.2	95.15	32063.0	482.2	95.17	32055.0	482.2	95.12
50%	Vmax	47992.0	481.9	95.28	47991.0	481.9	95.30	48002.0	481.9	95.33	48004.0	481.9	95.31	47999.0	481.9	95.33
75%	Vmax	71672.0	482.2	95.05	71670.0	482.2	95.05	71744.0	482.2	95.01	71687.0	482.2	95.06	71745.0	482.2	95.05
100%	Vmax	95259.0	483.6	94.60	95303.0	483.6	94.60	95329.0	483.6	94.62	95257.0	483.6	94.60	95288.0	483.6	94.60

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	9131.6	296.7	94.30	9133.3	296.7	94.32	9141.5	296.7	94.20	9127.2	296.7	94.13	9140.6	296.7	94.18
20%	Vmin	21776.0	295.7	96.384	21778.0	295.6	96.372	21769.0	295.7	96.286	21771.0	295.6	96.284	21776.0	295.6	96.385
30%	Vmin	32058.0	295.7	96.301	32071.0	295.7	96.364	32057.0	295.7	96.333	32054.0	295.7	96.304	32081.0	295.7	96.388
50%	Vmin	48017.0	295.3	96.349	47999.0	295.3	96.286	48016.0	295.3	96.345	48004.0	295.3	96.325	48013.0	295.3	96.315
75%	Vmin	70302.0	295.9	95.764	70300.0	295.9	95.777	70273.0	295.9	95.750	70269.0	295.9	95.762	70266.0	295.8	95.776
100%	Vmin	95316.0	295.3	95.202	95322.0	295.3	95.221	95300.0	295.3	95.210	95313.0	295.2	95.198	95323.0	295.2	95.194
10%	Vnom	9122.8	342.6	93.627	9132.5	342.6	93.585	9118.8	342.6	93.502	9121.3	342.6	93.540	9132.3	342.6	93.853
20%	Vnom	21758.0	342.1	95.986	21763.0	342.1	96.067	21766.0	342.1	96.011	21745.0	342.1	95.984	21764.0	342.1	96.084
30%	Vnom	32073.0	342.3	96.170	32060.0	342.3	96.062	32065.0	342.3	96.134	32062.0	342.3	96.103	32051.0	342.3	96.050
50%	Vnom	48006.0	342.2	96.105	47992.0	342.2	96.086	48001.0	342.2	96.137	47985.0	342.2	96.123	48008.0	342.2	96.112
75%	Vnom	71722.0	341.9	95.662	71704.0	341.9	95.684	71647.0	341.9	95.696	71671.0	341.9	95.684	71676.0	341.9	95.705
100%	Vnom	95278.0	341.4	95.132	95251.0	341.4	95.115	95276.0	341.4	95.127	95284.0	341.4	95.092	95298.0	341.4	95.107
10%	Vmax	9181.7	481.6	91.996	9165.3	481.6	91.668	9179.2	481.6	91.710	9160.9	481.6	91.503	9182.2	481.6	91.968
20%	Vmax	21768.0	482.3	94.993	21753.0	482.3	94.944	21768.0	482.3	95.035	21761.0	482.3	95.026	21784.0	482.3	95.147
30%	Vmax	32069.0	482.2	95.155	32063.0	482.2	95.172	32061.0	482.2	95.174	32068.0	482.2	95.217	32062.0	482.1	95.176
50%	Vmax	47996.0	481.9	95.383	47990.0	481.9	95.339	48001.0	481.9	95.332	47994.0	481.9	95.389	47985.0	481.9	95.324
75%	Vmax	71740.0	482.2	95.056	71709.0	482.2	95.079	71680.0	482.2	95.090	71700.0	482.2	95.128	71728.0	482.2	95.108
100%	Vmax	95293.0	483.6	94.611	95320.0	483.6	94.615	95268.0	483.6	94.610	95296.0	483.6	94.637	95284.0	483.6	94.626