Manufacturer: PV Powered

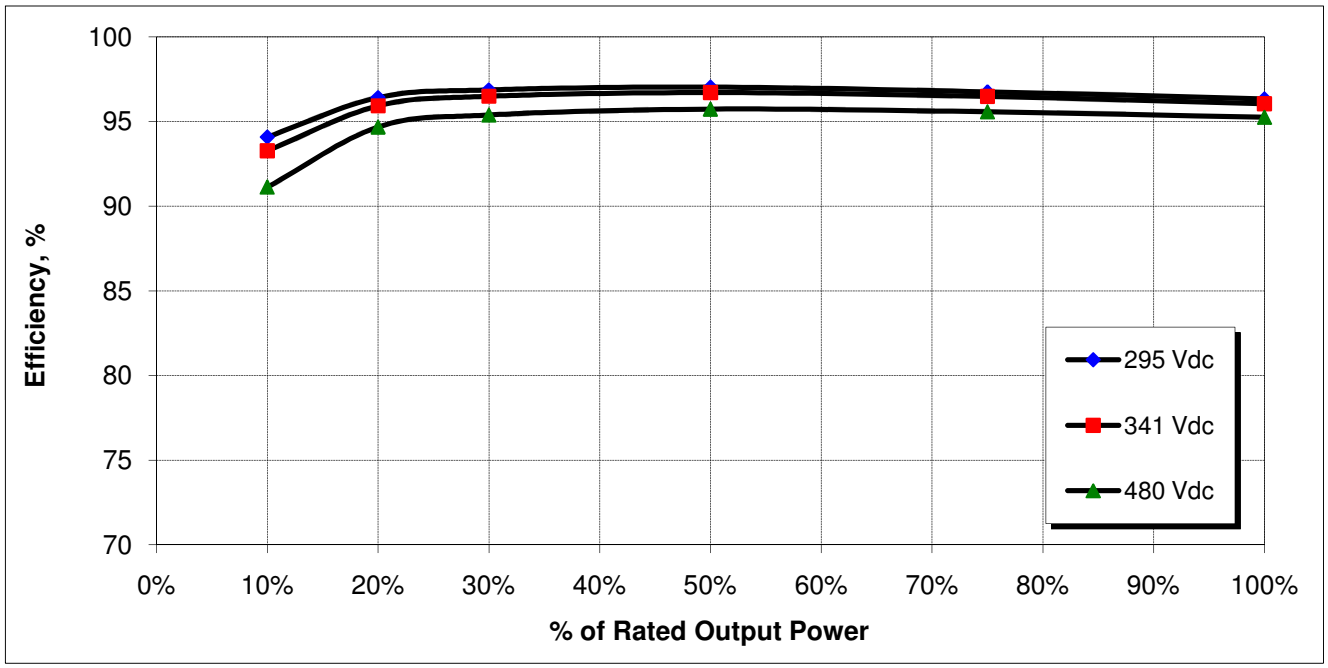
Model #: PVP35kW-480

Rated Maximum Continuous Output Power: 35.00 kW Night Tare Loss: 37.79 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		3.50	7.00	10.50	17.50	26.25	35.00	Wtd
Vmin	295	94.1	96.4	96.9	97.0	96.8	96.3	96.7
Vnom	341	93.3	95.9	96.5	96.7	96.5	96.0	96.4
Vmax	480	91.1	94.7	95.4	95.7	95.6	95.2	95.3

CEC Efficiency = 96.0%



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	3490.6	298.9	94.09	3489.5	298.9	94.09	3490.0	299.0	94.08	3490.4	298.9	94.09	3489.9	298.9	94.09
20%	Vmin	7690.5	298.9	96.44	7691.5	298.9	96.43	7691.4	298.9	96.43	7692.0	298.9	96.43	7691.1	298.9	96.42
30%	Vmin	11361.0	298.8	96.87	11361.0	298.8	96.88	11360.0	298.8	96.88	11360.0	298.8	96.88	11361.0	298.9	96.88
50%	Vmin	15770.0	298.8	97.04	15769.0	298.8	97.04	15768.0	298.8	97.04	15768.0	298.8	97.05	15768.0	298.8	97.04
75%	Vmin	24525.0	298.7	96.75	24522.0	298.7	96.76	24521.0	298.7	96.76	24523.0	298.6	96.76	24520.0	298.7	96.77
100%	Vmin	33267.0	298.5	96.38	33274.0	298.6	96.36	33264.0	298.6	96.35	33269.0	298.6	96.34	33270.0	298.5	96.34
10%	Vnom	3481.6	341.0	93.13	3477.4	341.1	93.15	3483.0	341.1	93.20	3485.8	341.0	93.20	3481.5	341.1	93.27
20%	Vnom	7690.9	341.8	95.93	7688.7	341.8	95.93	7688.4	341.8	95.92	7686.5	341.8	95.93	7691.2	341.8	95.94
30%	Vnom	11365.0	341.8	96.49	11363.0	341.8	96.48	11365.0	341.8	96.48	11360.0	341.8	96.49	11362.0	341.8	96.50
50%	Vnom	15770.0	341.7	96.70	15768.0	341.7	96.71	15772.0	341.8	96.71	15769.0	341.7	96.71	15771.0	341.8	96.71
75%	Vnom	24520.0	341.6	96.48	24521.0	341.6	96.48	24521.0	341.6	96.48	24524.0	341.6	96.47	24521.0	341.6	96.48
100%	Vnom	33273.0	340.6	96.05	33269.0	340.6	96.05	33269.0	340.6	96.04	33273.0	340.6	96.04	33270.0	340.6	96.04
10%	Vmax	3487.0	481.2	91.14	3485.0	481.2	91.13	3487.4	481.2	91.14	3485.8	481.2	91.13	3486.2	481.2	91.13
20%	Vmax	7683.9	481.2	94.64	7684.3	481.2	94.64	7686.6	481.2	94.66	7683.1	481.2	94.66	7687.9	481.2	94.66
30%	Vmax	11364.0	481.2	95.38	11364.0	481.1	95.38	11364.0	481.1	95.39	11365.0	481.1	95.38	11363.0	481.1	95.38
50%	Vmax	15767.0	481.1	95.72	15765.0	481.1	95.72	15763.0	481.1	95.72	15764.0	481.1	95.72	15766.0	481.1	95.73
75%	Vmax	24531.0	481.0	95.55	24535.0	481.0	95.56	24538.0	481.0	95.55	24537.0	481.0	95.57	24542.0	481.0	95.56
100%	Vmax	33275.0	480.9	95.25	33273.0	480.9	95.25	33273.0	481.0	95.24	33273.0	481.0	95.24	33271.0	480.9	95.24

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	3488.4	299.0	94.08	3490.1	299.0	94.08	3489.1	299.0	94.08	3493.0	299.0	94.08	3490.8	299.0	94.08
20%	Vmin	7694.1	298.9	96.422	7692.4	298.9	96.416	7690.7	298.9	96.414	7690.7	298.9	96.415	7691.1	298.9	96.403
30%	Vmin	11362.0	298.9	96.881	11358.0	298.8	96.874	11359.0	298.8	96.875	11358.0	298.8	96.879	11358.0	298.8	96.874
50%	Vmin	15769.0	298.8	97.041	15769.0	298.8	97.039	15768.0	298.8	97.039	15769.0	298.8	97.036	15769.0	298.8	97.039
75%	Vmin	24523.0	298.7	96.758	24523.0	298.7	96.767	24519.0	298.7	96.760	24523.0	298.7	96.754	24521.0	298.7	96.759
100%	Vmin	33274.0	298.6	96.329	33272.0	298.5	96.337	33270.0	298.5	96.331	33272.0	298.5	96.335	33270.0	298.5	96.325
10%	Vnom	3482.9	341.1	93.230	3489.9	341.0	93.367	3492.8	341.0	93.391	3488.2	341.0	93.386	3485.7	340.9	93.376
20%	Vnom	7689.4	341.8	95.934	7687.3	341.8	95.924	7690.5	341.9	95.926	7688.3	341.9	95.923	7688.1	341.9	95.932
30%	Vnom	11362.0	341.8	96.494	11362.0	341.8	96.494	11361.0	341.8	96.501	11362.0	341.8	96.501	11362.0	341.8	96.503
50%	Vnom	15770.0	341.7	96.716	15771.0	341.7	96.721	15770.0	341.8	96.718	15770.0	341.8	96.721	15770.0	341.8	96.710
75%	Vnom	24519.0	341.6	96.477	24518.0	341.6	96.484	24524.0	341.6	96.477	24524.0	341.7	96.480	24520.0	341.6	96.482
100%	Vnom	33272.0	340.6	96.041	33272.0	340.6	96.054	33273.0	340.6	96.063	33271.0	340.6	96.049	33273.0	340.6	96.060
10%	Vmax	3480.8	481.3	91.110	3481.0	481.3	91.107	3489.2	481.2	91.111	3489.5	481.2	91.138	3485.9	481.2	91.123
20%	Vmax	7687.1	481.2	94.671	7683.5	481.2	94.681	7687.0	481.2	94.681	7683.1	481.2	94.687	7680.9	481.2	94.682
30%	Vmax	11362.0	481.1	95.370	11362.0	481.1	95.372	11364.0	481.1	95.371	11365.0	481.1	95.383	11364.0	481.2	95.382
50%	Vmax	15766.0	481.1	95.725	15766.0	481.1	95.723	15766.0	481.1	95.730	15765.0	481.1	95.736	15764.0	481.1	95.740
75%	Vmax	24536.0	481.0	95.575	24539.0	481.0	95.571	24533.0	481.0	95.580	24536.0	481.0	95.579	24537.0	481.0	95.586
100%	Vmax	33270.0	480.9	95.242	33274.0	480.9	95.235	33277.0	480.9	95.235	33276.0	480.9	95.235	33272.0	480.9	95.238