Manufacturer: PV Powered

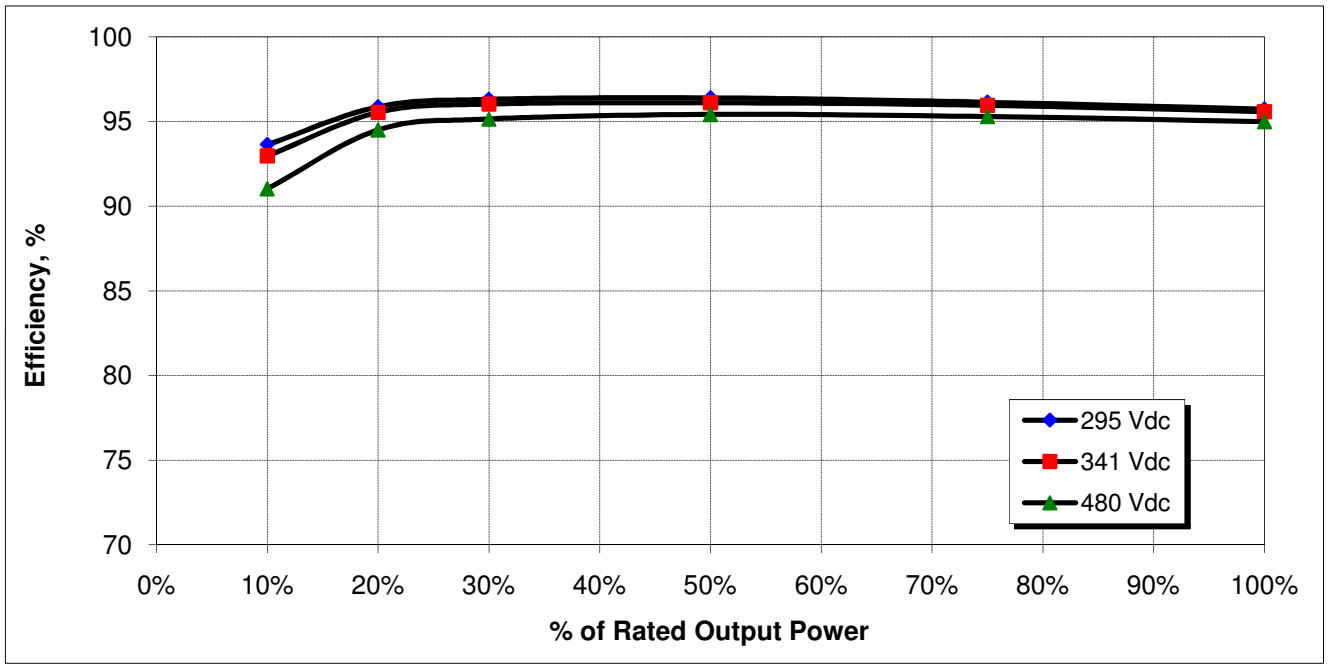
Model #: PVP35kW-600

Rated Maximum Continuous Output Power: 35.00 kW Night Tare Loss: 37.27 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	93.6	95.9	96.3	96.4	96.1	95.7	96.1
Vnom	341	93.0	95.5	96.0	96.1	96.0	95.6	95.8
Vmax	480	91.0	94.5	95.1	95.4	95.3	95.0	95.1

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	3477.8	295.7	93.65	3478.5	295.7	93.64	3479.4	295.7	93.64	3478.0	295.7	93.64	3478.3	295.7	93.65
20%	Vmin	7678.2	295.7	95.87	7679.7	295.7	95.88	7678.3	295.6	95.88	7678.4	295.7	95.88	7678.3	295.6	95.88
30%	Vmin	11356.0	295.6	96.32	11355.0	295.6	96.32	11355.0	295.6	96.33	11346.0	295.6	96.28	11352.0	295.6	96.33
50%	Vmin	15773.0	295.5	96.39	15770.0	295.6	96.39	15774.0	295.5	96.39	15776.0	295.5	96.39	15776.0	295.6	96.38
75%	Vmin	24541.0	295.4	96.15	24541.0	295.4	96.15	24538.0	295.5	96.15	24534.0	295.4	96.15	24540.0	295.5	96.14
100%	Vmin	33270.0	295.4	95.76	33271.0	295.4	95.76	33274.0	295.4	95.76	33270.0	295.4	95.74	33273.0	295.4	95.74
10%	Vnom	3483.1	341.7	92.97	3484.2	341.7	92.97	3484.5	341.7	92.97	3483.6	341.7	92.97	3482.2	341.7	92.96
20%	Vnom	7684.8	341.7	95.52	7690.4	341.7	95.53	7690.3	341.7	95.53	7685.4	341.7	95.53	7685.7	341.7	95.52
30%	Vnom	11351.0	341.7	96.03	11347.0	341.7	96.03	11343.0	341.7	95.98	11349.0	341.7	96.04	11348.0	341.6	96.05
50%	Vnom	15766.0	341.6	96.11	15767.0	341.6	96.11	15766.0	341.6	96.10	15765.0	341.6	96.12	15765.0	341.6	96.12
75%	Vnom	24520.0	341.5	95.95	24525.0	341.5	95.95	24521.0	341.5	95.96	24518.0	341.5	95.96	24516.0	341.5	95.96
100%	Vnom	33270.0	341.5	95.57	33272.0	341.5	95.57	33266.0	341.5	95.58	33271.0	341.5	95.58	33270.0	341.5	95.59
10%	Vmax	3487.7	480.9	91.03	3485.5	480.9	91.04	3483.6	480.9	91.03	3486.0	480.9	91.03	3480.3	480.9	91.02
20%	Vmax	7681.7	481.0	94.49	7682.1	481.0	94.50	7682.5	481.0	94.50	7679.9	481.0	94.51	7683.1	481.0	94.47
30%	Vmax	11349.0	480.8	95.13	11350.0	480.9	95.14	11349.0	480.9	95.15	11349.0	480.9	95.14	11347.0	480.9	95.15
50%	Vmax	15777.0	480.8	95.41	15773.0	480.8	95.41	15778.0	480.8	95.42	15776.0	480.8	95.42	15778.0	480.8	95.42
75%	Vmax	24530.0	480.9	95.29	24527.0	480.9	95.28	24531.0	480.9	95.29	24531.0	480.9	95.29	24534.0	480.8	95.29
100%	Vmax	33274.0	480.8	95.00	33275.0	480.8	94.99	33265.0	480.8	94.99	33274.0	480.8	94.99	33275.0	480.8	94.99

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	3473.8	295.7	93.61	3473.6	295.7	93.60	3479.6	295.7	93.65	3479.9	295.7	93.65	3480.2	295.7	93.66
20%	Vmin	7677.8	295.6	95.879	7676.8	295.6	95.878	7675.3	295.6	95.875	7677.1	295.6	95.874	7674.4	295.6	95.869
30%	Vmin	11355.0	295.7	96.323	11352.0	295.7	96.321	11347.0	295.6	96.273	11356.0	295.6	96.330	11354.0	295.6	96.328
50%	Vmin	15780.0	295.6	96.389	15781.0	295.6	96.434	15781.0	295.6	96.423	15785.0	295.6	96.424	15785.0	295.6	96.424
75%	Vmin	24542.0	295.5	96.135	24538.0	295.5	96.133	24539.0	295.5	96.135	24539.0	295.5	96.132	24541.0	295.5	96.130
100%	Vmin	33274.0	295.4	95.737	33271.0	295.4	95.740	33274.0	295.4	95.745	33272.0	295.4	95.734	33272.0	295.4	95.725
10%	Vnom	3483.3	341.7	92.968	3486.8	341.7	92.980	3482.8	341.7	92.968	3485.0	341.7	92.975	3489.2	341.7	92.984
20%	Vnom	7687.0	341.7	95.530	7682.5	341.7	95.467	7692.1	341.7	95.588	7691.4	341.7	95.587	7689.9	341.7	95.585
30%	Vnom	11349.0	341.7	96.042	11345.0	341.7	95.994	11349.0	341.7	96.032	11349.0	341.7	96.034	11353.0	341.6	96.045
50%	Vnom	15763.0	341.6	96.103	15763.0	341.6	96.097	15758.0	341.6	96.087	15760.0	341.6	96.084	15758.0	341.6	96.085
75%	Vnom	24515.0	341.5	95.962	24518.0	341.5	95.956	24515.0	341.5	95.963	24517.0	341.5	95.966	24516.0	341.5	95.968
100%	Vnom	33264.0	341.5	95.591	33267.0	341.5	95.585	33268.0	341.5	95.581	33270.0	341.5	95.576	33267.0	341.5	95.581
10%	Vmax	3479.2	480.9	91.011	3479.1	480.9	91.026	3483.4	480.9	91.025	3478.5	480.9	91.022	3479.4	480.9	91.009
20%	Vmax	7687.4	481.0	94.500	7686.6	481.0	94.503	7688.9	481.0	94.508	7686.8	481.0	94.505	7686.3	480.9	94.514
30%	Vmax	11350.0	480.9	95.155	11349.0	480.9	95.152	11351.0	480.8	95.153	11350.0	480.8	95.154	11348.0	480.9	95.157
50%	Vmax	15777.0	480.8	95.418	15779.0	480.8	95.418	15779.0	480.8	95.420	15777.0	480.8	95.426	15774.0	480.8	95.436
75%	Vmax	24534.0	480.8	95.294	24531.0	480.8	95.304	24530.0	480.8	95.297	24532.0	480.8	95.297	24531.0	480.8	95.293
100%	Vmax	33278.0	480.8	94.984	33276.0	480.8	94.989	33278.0	480.8	94.983	33274.0	480.8	94.990	33273.0	480.8	94.996