Manufacturer: PV Powered LLC

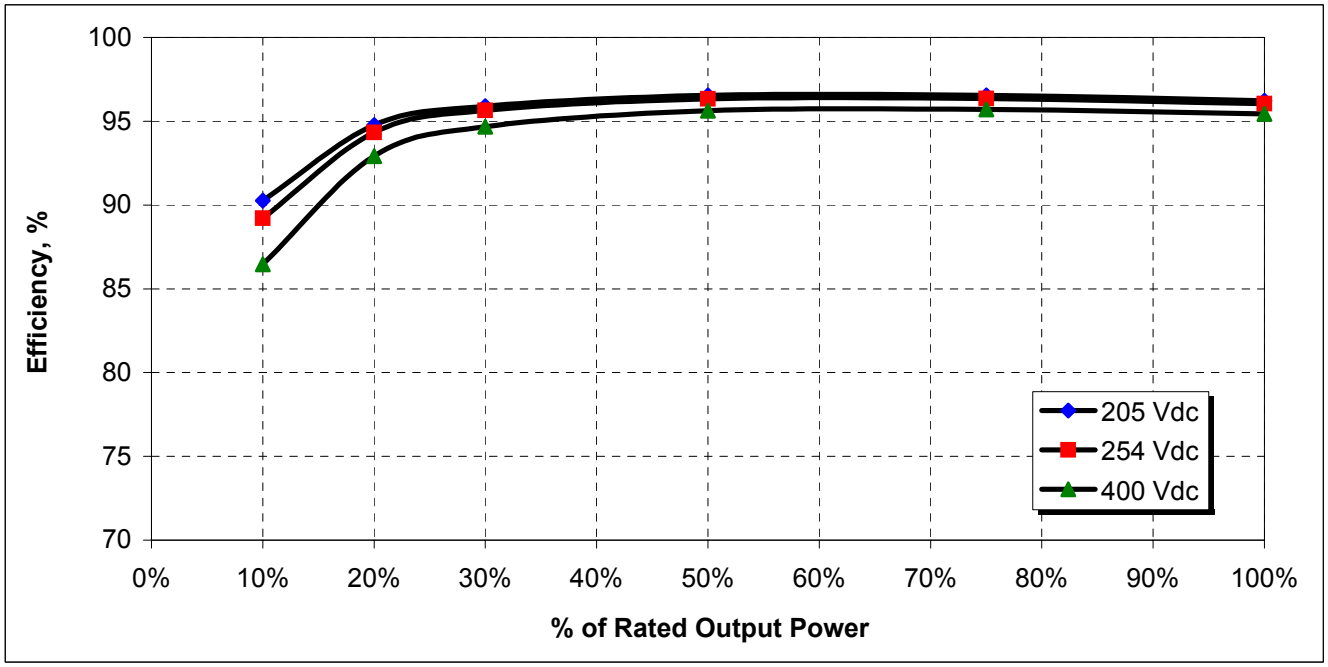
Model #: PVP 4600

Rated Maximum Continuous Output Power @40°C: 4.600 kW Night Tare Loss: 4 W

Vmin: 205 Vdc Vnom: 254 Vdc Vmax: 400 Vdc

Input Voltage (Vdc)		Power Level (%; kW) 10%	20%	30%	50%	75%	100%	Wtd
Vmin	205	90.3	94.8	95.9	96.5	96.5	96.2	96.1
Vnom	254	89.2	94.3	95.6	96.3	96.4	96.1	95.9
Vmax	400	86.5	92.9	94.7	95.6	95.7	95.4	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	486.51	206.17	90.289	487.46	206.12	90.173	487.06	206.13	90.227	487.33	206.2	90.246	486.71	206.29	90.325
20%	Vmin	966	206.69	94.808	965.59	206.66	94.787	965.4	206.61	94.741	966.52	206.75	94.778	966.56	206.9	94.769
30%	Vmin	1426.9	205.49	95.901	1427.6	205.55	95.895	1427.7	205.54	95.894	1428.6	205.72	95.868	1427.8	206	95.897
50%	Vmin	2468.7	205.77	96.549	2468.6	205.72	96.545	2465.3	205.64	96.531	2466.1	205.42	96.543	2463.6	205.31	96.531
75%	Vmin	3281.1	206.66	96.548	3278.6	206.49	96.541	3279.3	206.47	96.545	3277.0	206.34	96.539	3279.3	206.44	96.543
100%	Vmin	4500.0	206.21	96.21	4504.8	206.36	96.213	4508.4	206.57	96.235	4508.9	206.54	96.214	4505.3	206.48	96.203
10%	Vnom	432.41	255.26	89.215	432.44	255.53	89.27	432.73	256.19	89.2	433.34	256.51	89.199	432.86	255.97	89.204
20%	Vnom	956.23	255.1	94.345	956.65	255.31	94.277	957.07	255.46	94.324	956.79	255.32	94.359	956.43	255.28	94.34
30%	Vnom	1479.8	255.42	95.674	1478.0	255.14	95.638	1478.1	255.05	95.63	1478.5	255.14	95.647	1476.9	254.82	95.65
50%	Vnom	2516.9	254.63	96.35	2517.0	254.58	96.326	2515.6	254.33	96.339	2514.6	254.65	96.337	2515.3	254.53	96.347
75%	Vnom	3300.5	257.72	96.362	3278.8	255.8	96.36	3276.3	255.69	96.348	3276.1	255.64	96.356	3273.7	255.41	96.361
100%	Vnom	4499.0	254.87	96.071	4498.9	254.8	96.065	4494.1	254.59	96.051	4486.2	254.12	96.046	4488.3	254.33	96.042
10%	Vmax	420.94	403.56	86.404	420.79	403.56	86.52	421.08	403.36	86.445	421.27	403.72	86.382	420.8	403.72	86.49
20%	Vmax	941.66	400.33	92.861	941.34	400.29	92.934	942.46	400.28	92.903	941.81	400.05	92.949	941.92	400.39	92.893
30%	Vmax	1466.4	401.79	94.672	1466.5	401.74	94.696	1464.9	401.54	94.656	1465.7	401.52	94.651	1466.2	401.64	94.667
50%	Vmax	2628.3	401.59	95.617	2627.1	401.48	95.645	2629.3	401.68	95.645	2628.2	401.72	95.647	2630.1	401.83	95.618
75%	Vmax	3270.5	401.47	95.693	3276.5	402.31	95.712	3273.9	401.87	95.704	3273.9	401.85	95.714	3276.4	401.99	95.71
100%	Vmax	4648.7	401.91	95.436	4649.8	402.12	95.424	4650.1	401.92	95.436	4650.1	402.32	95.424	4651.3	402.68	95.455

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	486.9	206.39	90.251												
20%	Vmin	966.32	206.79	94.728												
30%	Vmin	1427.7	205.85	95.922												
50%	Vmin	2465.4	205.33	96.545												
75%	Vmin	3281.2	206.52	96.539												
100%	Vmin	4505.1	206.42	96.228												
10%	Vnom	432.07	255.44	89.212												
20%	Vnom	956.77	255.28	94.271												
30%	Vnom	1478.3	255.01	95.654												
50%	Vnom	2514.0	254.74	96.332												
75%	Vnom	3274.1	255.47	96.341												
100%	Vnom	4488.3	254.33	96.042												
10%	Vmax	421.01	403.71	86.525												
20%	Vmax	942.24	400.09	92.927												
30%	Vmax	1465.1	401.4	94.671												
50%	Vmax	2629.6	401.81	95.634												
75%	Vmax	3272.0	401.64	95.721												
100%	Vmax	4649.2	402.64	95.447												