Manufacturer: PVPowered

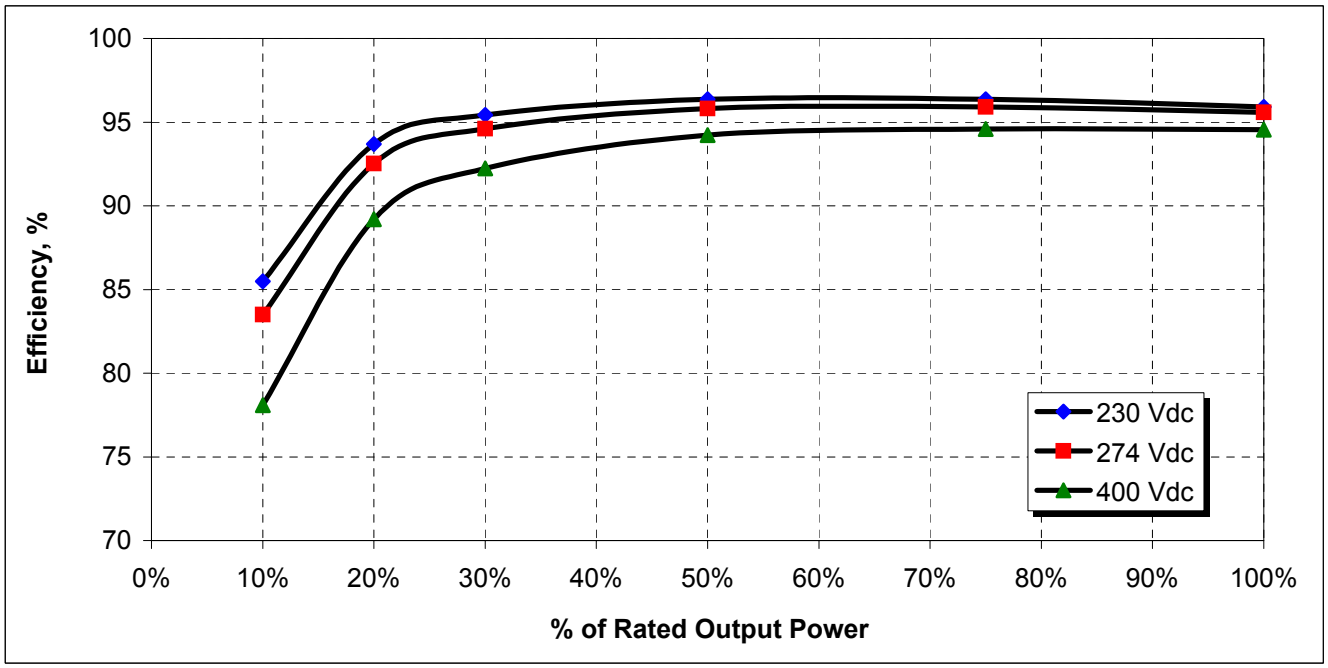
Model #: PVP3200-240

Rated Maximum Continuous Output Power: 3.20 kW Night Tare Loss: 3.00 W

Vmin: 230 Vdc Vnom: 274 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.32	0.64	0.96	1.60	2.40	3.20	Wtd
Vmin	230	85.5	93.7	95.4	96.4	96.4	95.9	95.7
Vnom	274	83.5	92.5	94.6	95.8	95.9	95.6	95.1
Vmax	400	78.1	89.2	92.2	94.2	94.6	94.5	93.3

CEC Efficiency = 94.5%



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	268.65	232.74	85.543	268.55	232.73	85.484	268.31	232.22	85.412	268.47	232.8	85.457	268.5	232.66	85.570
20%	Vmin	663.65	231.34	93.684	663.87	231.11	93.662	663.6	230.96	93.663	663.45	230.86	93.734	663.45	230.61	93.705
30%	Vmin	1015	232.11	95.439	1015.1	232.25	95.429	1016.9	232.57	95.421	1017	232.45	95.397	1015.6	232.28	95.430
50%	Vmin	1726.9	231.19	96.377	1727.9	231.3	96.373	1727.5	231.43	96.364	1725.8	231.18	96.369	1726.1	231.19	96.388
75%	Vmin	2282.1	230.48	96.373	2282.6	230.54	96.362	2282.5	230.56	96.367	2282.5	230.54	96.361	2281.3	230.36	96.351
100%	Vmin	3249.6	232	95.900	3250.5	232.07	95.881	3250.9	232.14	95.937	3251.2	232.23	95.939	3254.4	232.07	95.926
10%	Vnom	273.36	274.01	83.482	273.65	273.8	83.527	273.39	273.67	83.502	273.21	273.78	83.529	273.31	273.9	83.423
20%	Vnom	668.03	273.61	92.507	667.91	273.5	92.514	667.61	273.41	92.542	667.32	273.35	92.509	668.52	273.35	92.555
30%	Vnom	1021	274.2	94.599	1021.6	274.37	94.617	1021.3	274.32	94.614	1020.2	273.97	94.615	1020.8	273.92	94.642
50%	Vnom	1733.5	274.59	95.817	1734.1	274.45	95.824	1733.7	274.32	95.8	1734.5	274.43	95.83	1735.5	274.54	95.819
75%	Vnom	2294.3	274.83	95.900	2293	274.65	95.909	2294.1	274.63	95.908	2295.1	274.78	95.911	2294.1	274.68	95.904
100%	Vnom	3267.9	274.18	95.607	3265.6	274.07	95.564	3267.4	274.03	95.575	3266.4	274.03	95.617	3267.6	274.12	95.570
10%	Vmax	278.74	401.08	78.114	278.92	401.21	78.104	278.66	400.75	78.044	278.43	400.96	78.023	278.46	400.9	78.107
20%	Vmax	660.78	402.3	89.193	661.04	402.56	89.196	661.1	402.75	89.191	661.2	402.67	89.226	660.69	402.71	89.164
30%	Vmax	1014	402.95	92.213	1014.2	402.9	92.227	1014.9	403.18	92.228	1015.2	403.39	92.259	1015.3	403.35	92.231
50%	Vmax	1731.2	401.38	94.185	1730.8	400.89	94.205	1732.1	401.1	94.214	1730.5	400.7	94.221	1731.6	400.96	94.260
75%	Vmax	2293.5	402.27	94.572	2293.1	402.23	94.590	2294.7	402.63	94.603	2293.6	402.26	94.589	2294.5	402.51	94.569
100%	Vmax	3271	400.36	94.548	3268.3	399.97	94.567	3264.7	399.94	94.530	3267.4	400.04	94.545	3268.4	400.26	94.545

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															
20%	Vmin															
30%	Vmin															
50%	Vmin															
75%	Vmin															
100%	Vmin															
10%	Vnom															
20%	Vnom															
30%	Vnom															
50%	Vnom															
75%	Vnom															
100%	Vnom															
10%	Vmax															
20%	Vmax															
30%	Vmax															
50%	Vmax															
75%	Vmax															
100%	Vmax															