Manufacturer: PVPowered

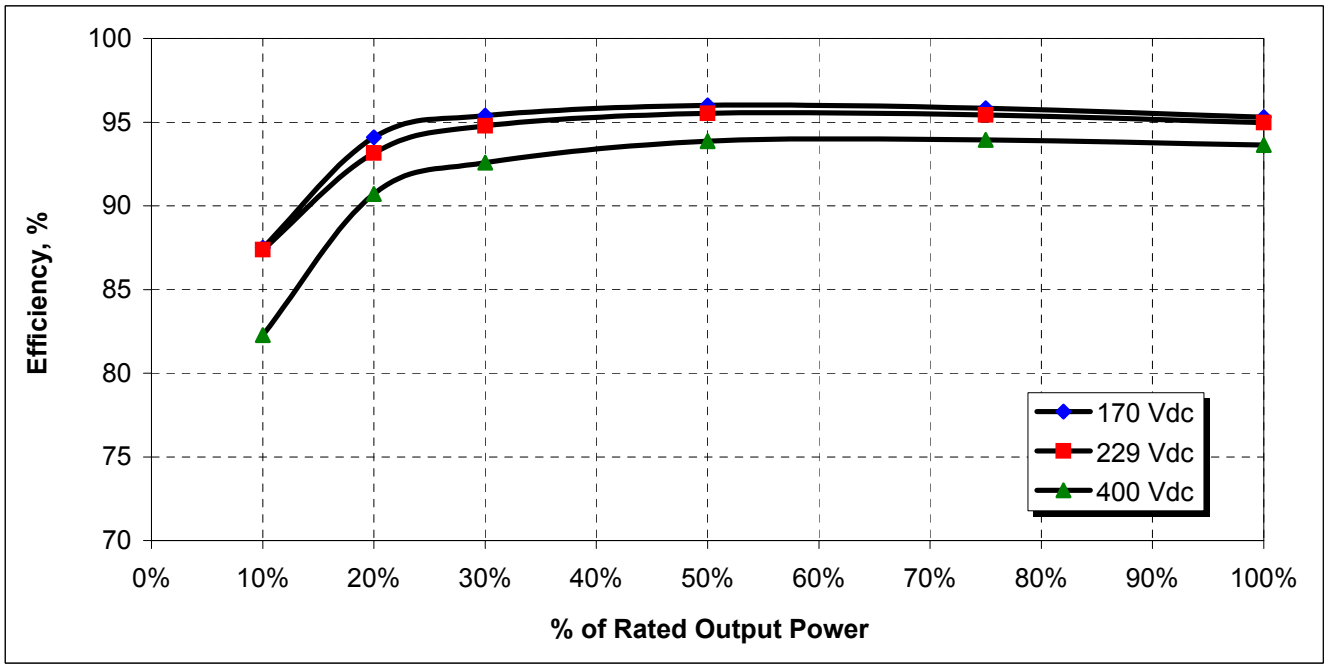
Model #: PVP2800-XV

Rated Maximum Continuous Output Power: 2.80 kW Night Tare Loss: 3.00 W

Vmin: 170 Vdc Vnom: 229 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.28	0.56	0.84	1.40	2.10	2.80	Wtd
Vmin	170	87.5	94.1	95.4	96.0	95.8	95.3	95.4
Vnom	229	87.4	93.2	94.8	95.5	95.4	95.0	94.9
Vmax	400	82.3	90.7	92.6	93.9	93.9	93.6	93.1

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	246.7	178.02	87.466	246.73	177.95	87.547	246.51	178.09	87.387	246.61	177.97	87.472	246.66	177.9	87.598
20%	Vmin	595.76	175.94	94.093	595.84	175.95	94.110	595.93	176.03	94.105	595.6	175.98	94.119	595.24	175.9	94.074
30%	Vmin	875.75	175.85	95.382	876.77	175.97	95.392	877.13	176.05	95.391	877.41	176.13	95.416	877.14	176.11	95.382
50%	Vmin	1535.3	176.14	96.003	1534.8	176.01	96.002	1534.1	175.98	96.016	1534.4	175.94	96.004	1533.2	175.77	96.033
75%	Vmin	2023.7	180.65	95.805	2024.5	180.73	95.798	2024.6	180.63	95.813	2025.2	180.6	95.903	2025.2	180.65	95.801
100%	Vmin	2695.2	193.37	95.226	2695.5	193.48	95.347	2696	193.46	95.399	2697.8	193.52	95.281	2698.2	193.54	95.269
10%	Vnom	279.41	227.91	87.381	279.38	227.84	87.385	279.11	227.7	87.335	279.21	227.65	87.371	279.13	227.64	87.461
20%	Vnom	593.09	230.48	93.123	593.33	230.51	93.167	593.12	230.56	93.162	592.52	230.33	93.160	592.88	230.5	93.166
30%	Vnom	908.12	229.25	94.798	909.27	229.53	94.786	908.51	229.42	94.758	909.11	229.56	94.779	909.34	229.61	94.790
50%	Vnom	1536.6	229.49	95.548	1536.1	229.41	95.543	1537.2	229.6	95.517	1537.7	229.7	95.527	1536.4	229.54	95.517
75%	Vnom	2027.3	229.33	95.407	2029.4	229.54	95.432	2028.9	229.51	95.469	2026.3	229.6	95.418	2026.2	229.79	95.414
100%	Vnom	2803.3	229.98	94.987	2803.2	229.92	94.944	2802.8	229.89	94.935	2801.8	229.75	94.989	2802.3	229.64	95.004
10%	Vmax	266.22	402.19	82.239	266.21	401.95	82.299	266.17	402.04	82.272	266.33	401.96	82.282	266.18	402.13	82.242
20%	Vmax	614.29	401.61	90.732	613.97	401.4	90.658	614.12	401.02	90.696	614.21	400.96	90.696	614.01	400.89	90.719
30%	Vmax	896.95	401.98	92.548	897.19	402.08	92.576	896.34	402.23	92.595	896.92	402.11	92.610	897.14	402.33	92.612
50%	Vmax	1530.3	403.19	93.870	1527.9	402.49	93.859	1526.6	402.47	93.846	1527.6	402.59	93.846	1527.1	402.65	93.858
75%	Vmax	2026.4	404.47	93.954	2025.6	404.52	93.926	2024.9	404.53	93.958	2025.1	404.58	93.944	2025.5	404.76	93.940
100%	Vmax	2801.3	399.94	93.627	2801.8	399.94	93.642	2802.1	399.97	93.647	2801.2	399.86	93.649	2802.3	399.99	93.647

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															