Manufacturer: PVPowered

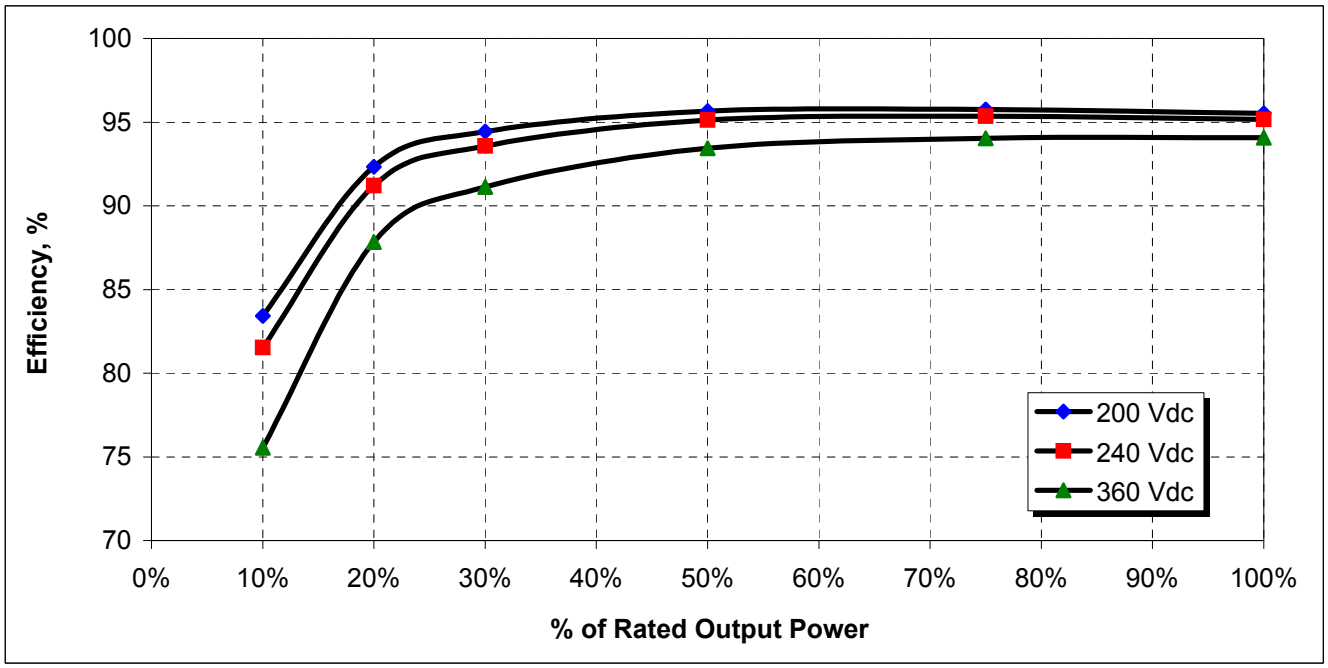
Model #: PVP2800-240

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

Vmin: 200 Vdc Vnom: 240 Vdc Vmax: 360 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	200	83.4	92.3	94.4	95.7	95.8	95.5	94.9
Vnom	240	81.5	91.2	93.6	95.1	95.4	95.2	94.3
Vmax	360	75.5	87.8	91.1	93.4	94.0	94.1	92.5

CEC Efficiency = 94.0%



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	242.6	201.63	83.472	242.9	201.71	83.376	242.61	201.77	83.445	243.06	201.88	83.407	242.96	201.82	83.446
20%	Vmin	584.55	202.26	92.348	584.87	202.07	92.297	584.62	202.19	92.368	585.05	202.22	92.344	586.37	202.92	92.336
30%	Vmin	884.01	201.53	94.430	883.96	201.72	94.445	886.11	201.8	94.440	886.14	201.91	94.414	886.21	201.93	94.415
50%	Vmin	1481.7	202.23	95.670	1481	202.22	95.649	1481.8	202.25	95.667	1480.5	202.03	95.668	1482.2	202.28	95.658
75%	Vmin	2080.8	202.74	95.790	2080.1	202.69	95.716	2080.6	202.85	95.753	2081.3	202.99	95.780	2080.7	202.95	95.766
100%	Vmin	2727.1	201.04	95.591	2730.9	201.22	95.505	2728.2	200.92	95.494	2726.3	200.84	95.583	2725.6	200.83	95.502
10%	Vnom	245.28	240.61	81.463	245.28	240.47	81.527	245.24	240.26	81.531	245.18	240.23	81.452	245.27	240.23	81.65
20%	Vnom	585.94	241.26	91.225	585.28	241.07	91.172	585.38	241.05	91.189	585.69	241.08	91.200	585.5	240.88	91.222
30%	Vnom	886.86	241.71	93.603	886.92	241.64	93.573	887.01	241.83	93.576	887.94	242.01	93.580	888.52	242.31	93.565
50%	Vnom	1485.6	240.33	95.128	1486.6	240.47	95.118	1486.3	240.51	95.125	1485.6	240.29	95.117	1485.6	240.41	95.107
75%	Vnom	2085.6	241.73	95.351	2084.5	241.6	95.346	2083.6	241.71	95.351	2087.6	241.92	95.370	2086.2	241.77	95.347
100%	Vnom	2739.7	241.48	95.156	2740	241.57	95.142	2740.1	241.68	95.157	2739.9	241.42	95.16	2734.1	241.35	95.235
10%	Vmax	241.62	360.34	75.536	241.71	360.34	75.488	241.71	360.55	75.473	241.64	360.22	75.47	241.66	359.93	75.735
20%	Vmax	578.32	361.04	87.880	578.19	360.76	87.873	578.42	361.24	87.812	578.39	360.99	87.852	578.57	361.14	87.822
30%	Vmax	881.47	360.84	91.169	880.35	360.61	91.106	880.49	360.64	91.133	880.37	360.76	91.132	880.28	360.72	91.146
50%	Vmax	1484.2	361.54	93.464	1483.7	361.37	93.453	1483.2	361.31	93.427	1483.2	361.26	93.407	1483.6	361.37	93.435
75%	Vmax	2086.7	361.79	94.037	2085.5	361.72	94.002	2086.5	361.89	94.038	2086.3	361.82	94.017	2086	361.85	94.044
100%	Vmax	2742.4	360.14	94.067	2743	360.33	94.115	2742.5	360.15	94.081	2737	359.63	93.997	2742.8	359.82	94.065

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															