Manufacturer: PVPowered

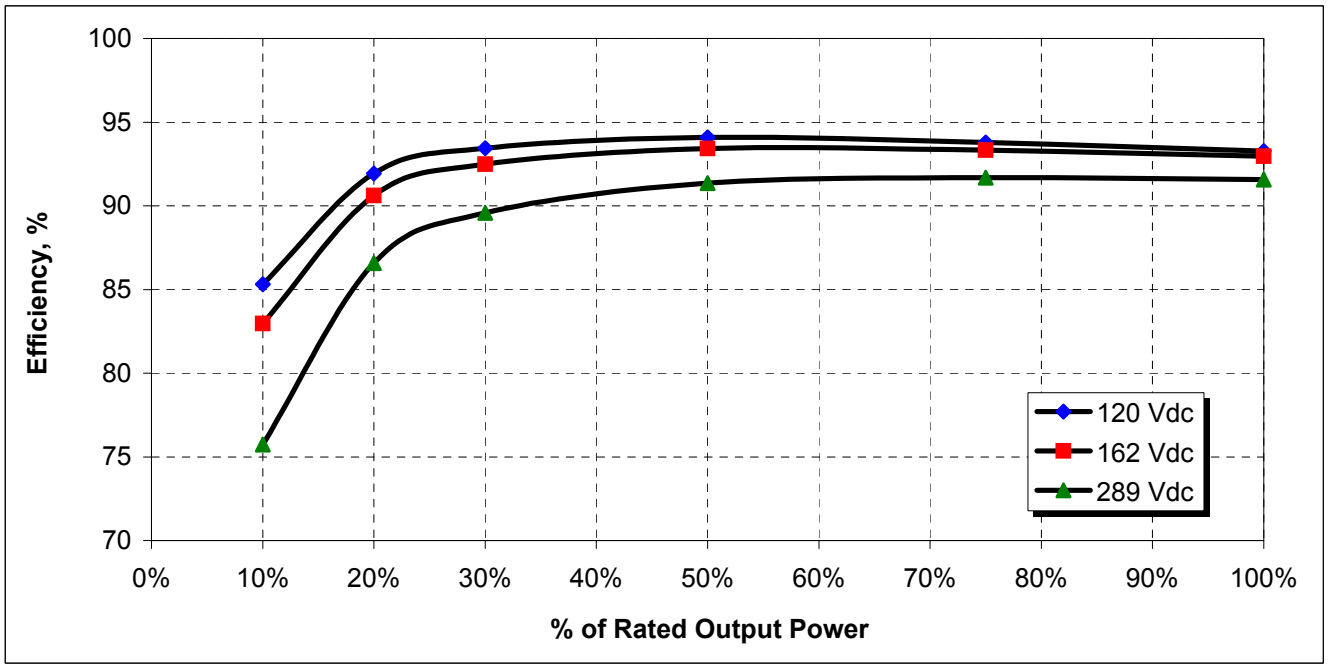
Model #: PVP 1800

Rated Maximum Continuous Output Power: 1.80 kW Night Tare Loss: 3.00 W

Vmin: 120 Vdc Vnom: 162 Vdc Vmax: 289 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.18	0.36	0.54	0.90	1.35	1.80	Wtd
Vmin	120	85.3	91.9	93.4	94.1	93.8	93.3	93.4
Vnom	162	83.0	90.6	92.5	93.4	93.3	93.0	92.7
Vmax	289	75.7	86.6	89.6	91.4	91.7	91.6	90.5

CEC Efficiency = 92.0%



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	174.58	121.18	85.359	174.23	121.26	85.241	174.53	121.17	85.365	174.67	121.25	85.326	174.79	121.38	85.307
20%	Vmin	383.31	121.1	91.926	383.18	121.08	91.938	383.04	121.07	91.887	383.36	121.14	91.904	383.75	121.18	92.021
30%	Vmin	566.62	121.38	93.447	567.83	121.39	93.412	567.63	121.48	93.447	567.9	121.45	93.440	567.44	121.42	93.444
50%	Vmin	941.87	122.67	94.074	957.46	122.64	94.155	939.94	122.73	94.079	939.97	122.69	94.068	940.69	122.74	94.075
75%	Vmin	1340	121.9	93.799	1340	121.93	93.797	1340	121.9	93.774	1340	121.83	93.803	1340	121.71	93.771
100%	Vmin	1700	121.01	93.271	1700	121.02	93.259	1700	121	93.257	1700	120.93	93.263	1700	120.91	93.290
10%	Vnom	173.01	162.18	82.924	173.14	162.14	83.059	173.16	162.24	83.031	173.4	162.34	82.954	172.98	162.27	82.815
20%	Vnom	381.67	162.69	90.589	382.87	162.91	90.633	388.86	162.91	90.636	388.62	162.84	90.609	382.31	162.88	90.603
30%	Vnom	567.9	162.62	92.453	568.71	162.72	92.49	568.56	162.77	92.479	567.55	162.53	92.489	567.55	162.62	92.478
50%	Vnom	941.4	164.27	93.412	942.05	164.09	93.399	942.88	164.32	93.445	942.03	164.21	93.418	941.94	164.17	93.406
75%	Vnom	1350	163.38	93.306	1350	163.33	93.308	1350	163.27	93.34	1350	163.43	93.316	1350	163.47	93.322
100%	Vnom	1740	164	93.061	1710	163.99	92.949	1710	163.99	92.939	1710	164.21	92.913	1710	164.02	92.944
10%	Vmax	160.67	288.69	75.780	160.59	288.69	75.791	160.8	288.44	75.819	160.92	288.3	75.679	160.89	288.47	75.655
20%	Vmax	369.94	290.16	86.573	369.83	290.15	86.537	369.78	290.17	86.622	369.85	290.39	86.601	370.33	290.49	86.548
30%	Vmax	558.56	290.25	89.614	558.15	289.95	89.593	568.42	290.19	89.620	568.83	290.14	89.568	558.14	290.15	89.522
50%	Vmax	936.18	289.52	91.344	937.26	289.49	91.334	935.61	289.37	91.372	936.79	289.44	91.364	936.54	289.47	91.362
75%	Vmax	1400	288.39	91.682	1400	288.82	91.669	1400	288.8	91.656	1400	288.85	91.693	1400	288.84	91.672
100%	Vmax	1720	289.96	91.564	1710	290	91.570	1720	290.31	91.574	1720	290.27	91.578	1720	290.39	91.537

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															