Manufacturer: PV Powered

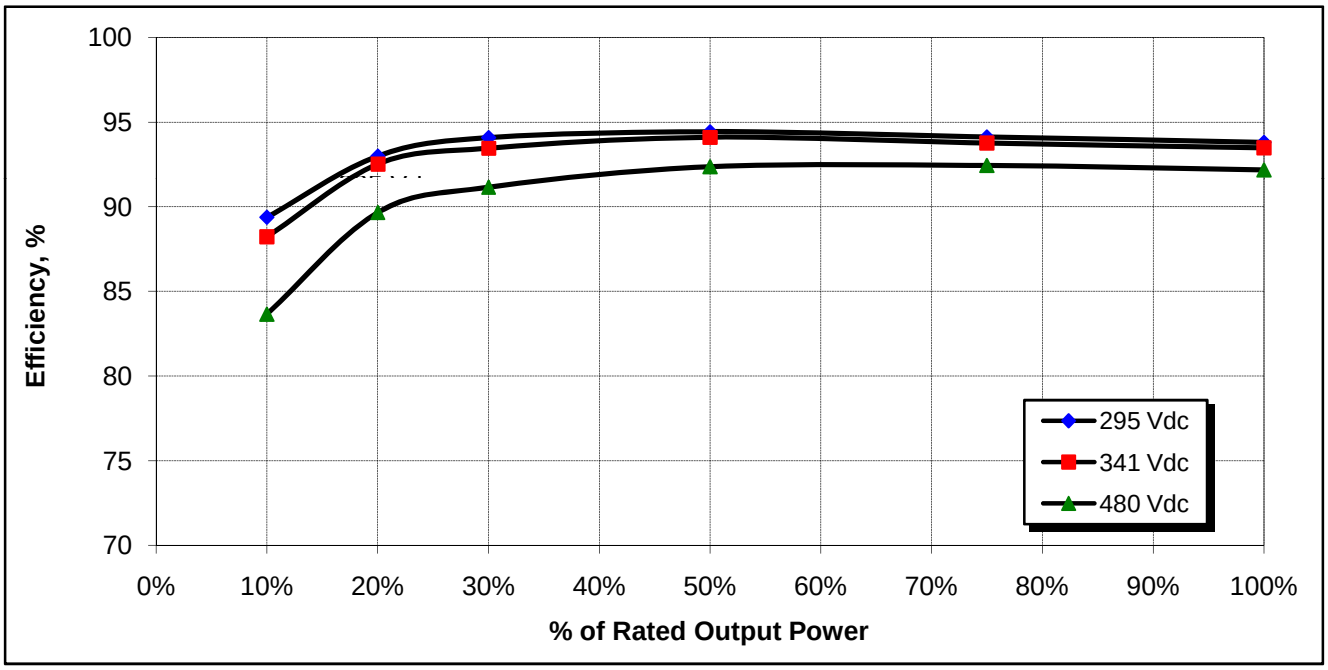
Model #: PVP30KW-LV-208

Rated Maximum Continuous Output Power: 30.00 kW Night Tare Loss: 22.00 W

Vmin: 295 Vdc Vnom: 341 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		3.00	6.00	9.00	15.00	22.50	30.00	Wtd
Vmin	295	89.4	93.0	94.1	94.4	94.1	93.8	93.9
Vnom	341	88.2	92.5	93.5	94.1	93.8	93.5	93.5
Vmax	480	83.6	89.7	91.2	92.4	92.4	92.2	91.8

CEC Efficiency = 93.0%



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	2987.4	296.9	89.36	2988.0	296.9	89.39	2987.1	296.9	89.37	2986.3	296.9	89.38	2987.9	296.9	89.40
20%	Vmin	6569.3	296.7	93.19	6568.6	296.7	93.18	6565.8	296.7	93.22	6537.1	296.7	92.77	6542.7	296.7	92.78
30%	Vmin	9723.5	296.5	94.08	9741.7	296.5	94.11	9722.1	296.5	94.09	9711.7	296.5	94.08	9703.3	296.5	94.07
50%	Vmin	16450.0	296.1	94.56	16441.0	296.1	94.56	16408.0	296.2	94.42	16351.0	296.1	94.36	16417.0	296.1	94.37
75%	Vmin	23965.0	295.7	94.13	23960.0	295.7	94.12	23959.0	295.7	94.12	23965.0	295.7	94.12	23980.0	295.7	94.13
100%	Vmin	28548.0	295.5	93.80	28555.0	295.5	93.80	28556.0	295.5	93.80	28570.0	295.5	93.80	28546.0	295.4	93.80
10%	Vnom	2977.9	342.8	88.20	2978.3	342.8	88.22	2978.3	342.8	88.25	2978.0	342.8	88.26	2977.5	342.8	88.23
20%	Vnom	6555.5	342.6	92.52	6551.0	342.6	92.53	6551.3	342.6	92.49	6552.3	342.6	92.53	6543.5	342.7	92.51
30%	Vnom	9693.2	342.5	93.25	9713.4	342.5	93.28	9715.0	342.5	93.58	9709.8	342.5	93.58	9707.4	342.5	93.56
50%	Vnom	16450.0	342.2	94.15	16429.0	342.2	94.16	16423.0	342.2	94.15	16448.0	342.2	94.15	16446.0	342.2	94.14
75%	Vnom	23935.0	341.9	93.74	23925.0	341.8	93.76	23943.0	341.9	93.76	23934.0	341.9	93.78	23921.0	341.8	93.77
100%	Vnom	28524.0	341.6	93.48	28532.0	341.6	93.48	28541.0	341.6	93.48	28540.0	341.6	93.48	28537.0	341.6	93.49
10%	Vmax	2988.2	481.6	83.86	2987.3	481.6	83.76	2988.7	481.6	83.61	2987.2	481.6	83.64	2987.0	481.6	83.56
20%	Vmax	6588.3	481.5	89.79	6588.4	481.5	89.75	6590.6	481.5	89.64	6588.7	481.5	89.61	6591.9	481.5	89.57
30%	Vmax	9688.1	482.5	91.30	9717.6	482.5	91.30	9732.1	482.5	91.24	9725.5	482.5	91.16	9732.6	482.5	91.14
50%	Vmax	16464.0	481.2	92.41	16468.0	481.2	92.40	16464.0	481.2	92.38	16452.0	481.2	92.36	16439.0	481.2	92.33
75%	Vmax	23950.0	481.0	92.46	23937.0	481.0	92.45	23955.0	481.0	92.43	23970.0	481.0	92.45	23961.0	481.0	92.45
100%	Vmax	28585.0	478.8	92.19	28609.0	480.1	92.19	28599.0	482.0	92.16	28596.0	482.0	92.18	28572.0	481.9	92.17

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	2985.7	296.9	89.41												
20%	Vmin	6543.6	296.7	92.780												
30%	Vmin	9709.8	296.5	94.057												
50%	Vmin	16430.0	296.1	94.366	16415.0	296.2	94.372									
75%	Vmin	23978.0	295.7	94.131												
100%	Vmin	28524.0	295.5	93.798	28537.0	295.5	93.797									
10%	Vnom	2977.5	342.8	88.191												
20%	Vnom	6543.1	342.7	92.537												
30%	Vnom	9711.6	342.5	93.575												
50%	Vnom	16402.0	342.2	93.941												
75%	Vnom	23919.0	341.8	93.777	23937.0	341.8	93.788									
100%	Vnom	28537.0	341.6	93.494	28563.0	341.6	93.489									
10%	Vmax	2987.9	481.6	83.448												
20%	Vmax	6588.9	481.5	89.580												
30%	Vmax	9701.5	482.5	90.820												
50%	Vmax	16439.0	481.2	92.333												
75%	Vmax	23947.0	481.0	92.418												
100%	Vmax	28571.0	482.0	92.170	28564.0	481.9	92.175									