Manufacturer: Austin Manufacturing

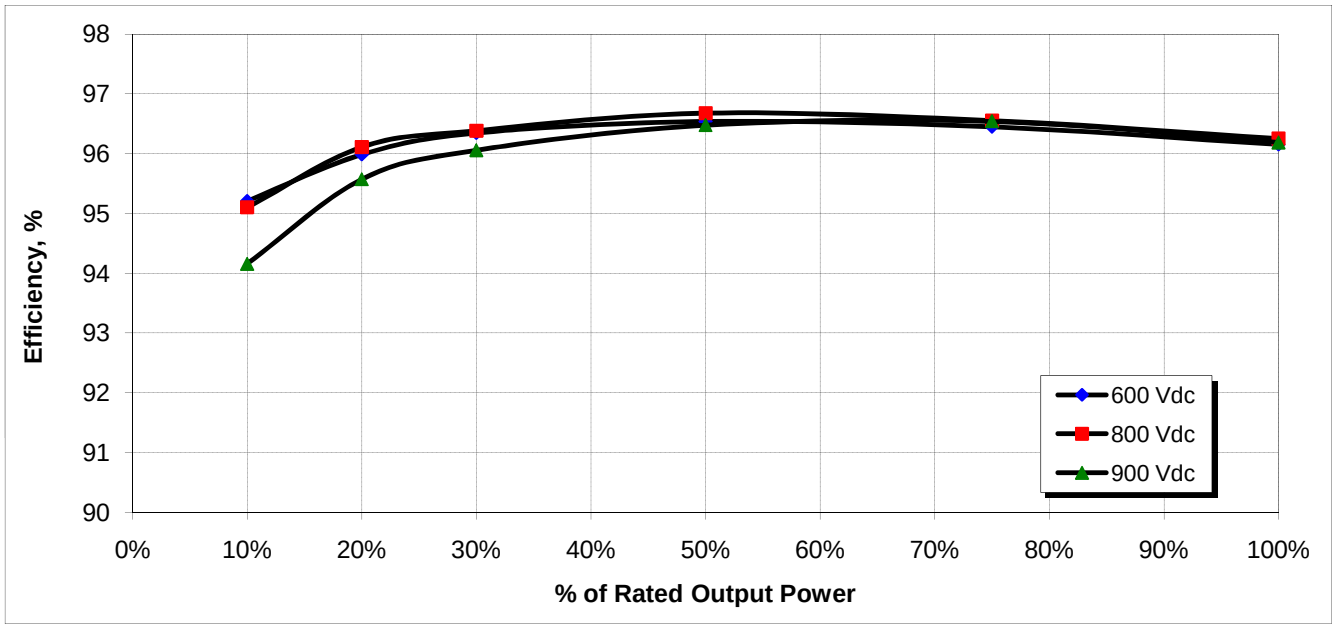
Model #: IPV-30KW-480 "Bi Polar Input"

Rated Maximum Continuous Output Power: 30.07 kW Night Tare Loss: 9.83 W

Vmin: 600 Vdc Vnom: 800 Vdc Vmax: 900 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		3.01	6.01	9.02	15.04	22.56	30.07	Wtd
Vmin	600	95.2	96.0	96.3	96.5	96.5	96.2	96.4
Vnom	800	95.1	96.1	96.4	96.7	96.6	96.3	96.5
Vmax	900	94.2	95.6	96.1	96.5	96.5	96.2	96.3

CEC Efficiency = 96.5%



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)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	2617	700.28	95.21	2617	699.8	95.14	2620	699.55	95.28	2619	700.25	95.16	2617	700.29	95.26
20%	Vmin	5954	596.65	95.90	5956	596.39	95.93	5956	596.3	96.05	5960	596.64	95.98	5962	597.18	96.08
30%	Vmin	8299	602.39	96.27	8334	604.08	96.41	8346	603.34	96.34	8301	602.35	96.34	8332	603.88	96.37
50%	Vmin	14758	601.36	96.54	14719	600.82	96.53	14725	600.61	96.53	14759	601.37	96.53	14717	600.97	96.57
75%	Vmin	20095	600.6	96.46	20105	601.01	96.45	20051	600.54	96.43	20078	600.42	96.44	20123	601.01	96.47
100%	Vmin	30072	603.29	96.16	30053	603.33	96.17	30046	603.35	96.14	30031	603.36	96.15	30020	603.36	96.15
10%	Vnom	2943	785.89	94.94	2946	787.85	94.90	2952	792.29	95.39	2944	786.71	95.12	2944	787.15	95.17
20%	Vnom	6464	797.38	96.04	6464	797.39	96.13	6467	797.68	96.16	6465	797.46	96.13	6464	797.31	96.11
30%	Vnom	8531	799.19	96.41	8524	799.11	96.37	8544	800.38	96.38	8532	799.28	96.42	8527	797.47	96.35
50%	Vnom	15299	798.86	96.72	15322	798.9	96.70	15321	799.58	96.63	15304	799.49	96.68	15291	797.7	96.67
75%	Vnom	21422	796.98	96.51	21409	799.09	96.55	21408	798.1	96.58	21407	797.84	96.54	21414	797.86	96.59
100%	Vnom	30357	802.09	96.26	30348	802.09	96.28	30376	802.08	96.24	30392	802.08	96.22	30421	802.08	96.26
10%	Vmax	2687	883.84	93.98	2690	884.69	94.21	2696	886.43	94.12	2692	885.06	94.00	2690	882.62	94.48
20%	Vmax	5952	901.22	95.63	5944	901.31	95.51	5946	901.32	95.55	5949	901.15	95.51	5951	900.75	95.67
30%	Vmax	9390	894.87	96.08	9396	895.16	96.02	9396	895.7	96.07	9394	895.3	96.03	9395	895.24	96.10
50%	Vmax	15432	898.35	96.50	15447	898.45	96.47	15458	898.11	96.49	15447	897.53	96.47	15418	897.13	96.46
75%	Vmax	21502	899.39	96.58	21513	899.51	96.55	21523	899.49	96.53	21537	899.64	96.53	21529	899.84	96.53
100%	Vmax	30545	900.74	96.16	30532	900.74	96.17	30585	900.74	96.20	30635	900.73	96.22	30678	900.72	96.20

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															