Manufacturer: Pika Energy LLC

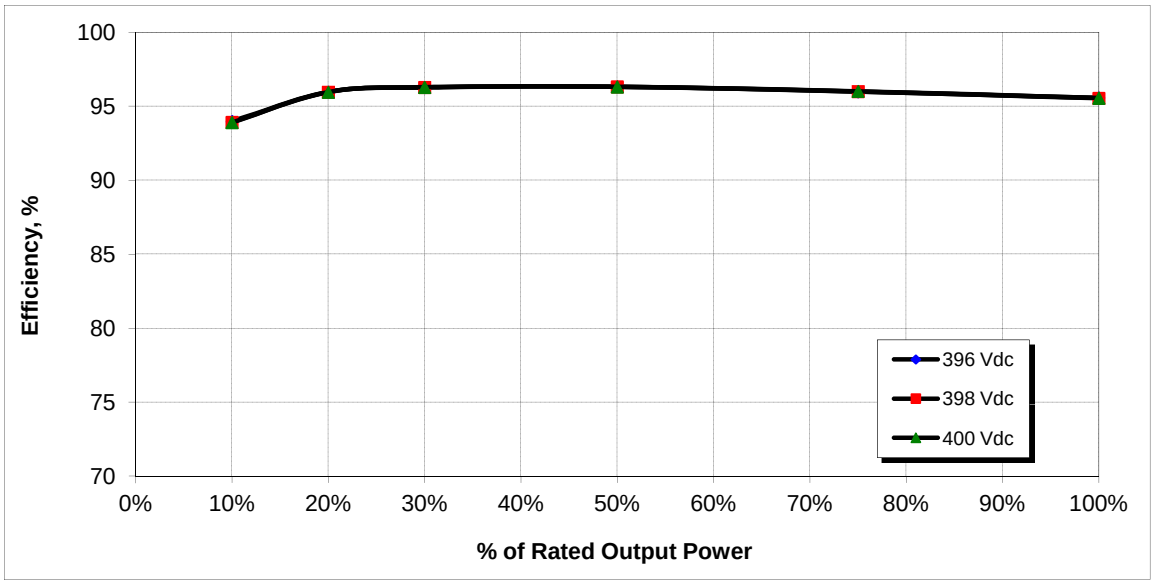
Model #: X3001

Rated Maximum Continuous Output Power: 3.00 kW Night Tare Loss: 2.64 W

Vmin: 396 Vdc Vnom: 398 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.30	0.60	0.90	1.50	2.25	3.00	Wtd
Vmin	396	94.0	96.0	96.3	96.3	96.0	95.6	96.0
Vnom	398	93.9	96.0	96.3	96.3	96.0	95.5	96.0
Vmax	400	93.9	95.9	96.3	96.3	96.0	95.5	96.0

CEC Efficiency = 96.0%



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	0.2928	396.07	93.997	0.293	396.07	93.956	0.293	396.06	93.929	0.293	396.07	93.947	0.293	396.07	94.043
20%	Vmin	0.6483	396.04	95.958	0.648	396.04	95.970	0.649	396.04	95.965	0.649	396.04	95.950	0.649	396.05	95.985
30%	Vmin	0.9338	395.96	96.243	0.933	395.97	96.266	0.933	395.99	96.261	0.933	395.99	96.282	0.934	395.99	96.287
50%	Vmin	1.486	396.01	96.315	1.486	396	96.310	1.486	396	96.338	1.487	395.99	96.307	1.488	395.98	96.306
75%	Vmin	2.1948	396.03	95.983	2.195	396.03	95.991	2.19	396.08	95.991	2.187	396.11	95.977	2.189	396.09	95.982
100%	Vmin	2.8566	395.93	95.554	2.86	395.91	95.563	2.861	395.92	95.565	2.858	395.94	95.576	2.865	395.88	95.583
10%	Vnom	0.2922	398	93.886	0.292	398	93.928	0.292	398.01	93.950	0.292	398.01	93.903	0.292	398	93.927
20%	Vnom	0.6485	398.02	95.956	0.649	398.02	95.961	0.648	398.02	95.954	0.649	398.02	95.956	0.649	398.02	95.964
30%	Vnom	0.931	397.99	96.247	0.933	397.98	96.274	0.933	397.99	96.273	0.933	397.99	96.285	0.936	397.96	96.308
50%	Vnom	1.4872	398.1	96.310	1.488	398.09	96.306	1.486	398.12	96.315	1.487	398.11	96.300	1.487	398.13	96.329
75%	Vnom	2.1753	398	95.993	2.175	398	95.993	2.175	397.99	96.009	2.175	398	95.994	2.176	397.99	95.996
100%	Vnom	2.9112	397.94	95.539	2.912	397.94	95.547	2.912	397.93	95.531	2.91	397.95	95.524	2.912	397.94	95.535
10%	Vmax	0.2915	399.95	93.920	0.291	399.95	93.922	0.291	399.95	93.885	0.291	399.94	93.880	0.292	399.94	93.890
20%	Vmax	0.649	399.95	95.972	0.648	399.95	95.950	0.647	399.95	95.927	0.648	399.95	95.917	0.648	399.95	95.948
30%	Vmax	0.9385	399.97	96.276	0.94	399.95	96.271	0.939	399.96	96.294	0.939	399.95	96.266	0.94	399.95	96.288
50%	Vmax	1.485	400.23	96.317	1.484	400.24	96.331	1.485	400.24	96.315	1.483	400.24	96.275	1.482	400.26	96.291
75%	Vmax	2.1744	400.04	96.012	2.177	400.03	96.022	2.175	400.05	95.980	2.177	400.04	96.023	2.178	400.03	96.007
100%	Vmax	2.8666	400.16	95.573	2.868	400.14	95.560	2.866	400.15	95.554	2.864	400.16	95.530	2.864	400.16	95.530

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															