Manufacturer: Shanghai Aero-Sharp Electric Technologies Co.Ltd

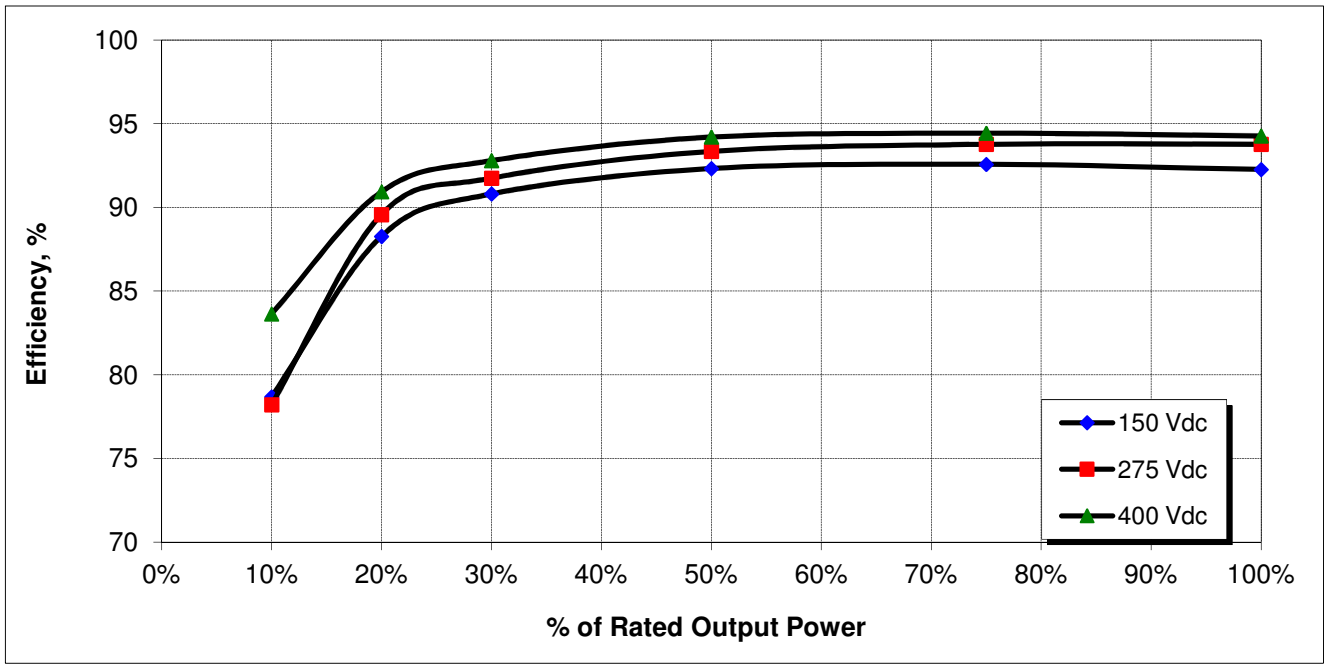
Model #: X01-030L2E1

Rated Maximum Continuous Output Power: 2.98 kW Night Tare Loss: -0.70 W

Vmin: 150 Vdc Vnom: 275 Vdc Vmax: 400 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.30	0.60	0.89	1.49	2.24	2.98	Wtd
Vmin	150	78.7	88.3	90.8	92.3	92.6	92.3	91.5
Vnom	275	78.2	89.6	91.7	93.4	93.8	93.8	92.6
Vmax	400	83.6	90.9	92.8	94.2	94.4	94.3	93.6

CEC Efficiency = 92.5%



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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)
10%	Vmin	0.2316	151.04	78.7	0.231	151.33	78.59	0.231	151.11	78.746	0.232	151.15	78.66	0.232	151.27	78.697
20%	Vmin	0.5744	151.49	88.246	0.575	151.51	88.27	0.576	151.71	88.288	0.575	151.63	88.246	0.576	151.8	88.295
30%	Vmin	0.8818	151.71	90.817	0.881	151.82	90.794	0.881	151.6	90.786	0.881	151.61	90.806	0.881	151.71	90.807
50%	Vmin	1.4854	151.79	92.311	1.485	151.77	92.311	1.488	151.98	92.352	1.484	151.76	92.285	1.485	151.77	92.339
75%	Vmin	2.2241	152.05	92.588	2.222	151.96	92.543	2.225	152.1	92.582	2.225	152.11	92.582	2.224	152.11	92.561
100%	Vmin	2.9742	152.12	92.263	2.975	152.12	92.269	2.975	152.16	92.257	2.975	152.13	92.264	2.973	152.04	92.257
10%	Vnom	0.2241	273.8	78.24	0.224	273.54	78.303	0.224	273.77	78.052	0.224	273.65	78.17	0.224	273.64	78.291
20%	Vnom	0.5782	273.8	89.619	0.576	273.77	89.538	0.577	273.64	89.586	0.578	273.72	89.563	0.578	273.84	89.548
30%	Vnom	0.903	274.03	91.707	0.901	273.75	91.73	0.903	273.94	91.79	0.904	274.04	91.775	0.903	273.94	91.73
50%	Vnom	1.5352	274.17	93.342	1.534	273.95	93.355	1.534	273.93	93.345	1.533	273.84	93.361	1.534	274.1	93.356
75%	Vnom	2.2629	274.33	93.774	2.26	274.06	93.786	2.258	273.87	93.741	2.26	274.04	93.782	2.261	274.16	93.779
100%	Vnom	3.0104	274.26	93.902	3.009	274.15	93.893	3.003	274.2	93.688	3.002	274.07	93.679	3.003	274.18	93.687
10%	Vmax	0.2471	396.94	83.7	0.248	396.17	83.657	0.246	395.75	83.543	0.248	397.2	83.696	0.247	395.94	83.579
20%	Vmax	0.5542	395.25	90.922	0.554	395.36	90.931	0.553	395.27	90.957	0.555	395.45	90.955	0.554	395.47	90.904
30%	Vmax	0.8253	395.66	92.801	0.825	395.52	92.844	0.824	395.41	92.804	0.823	395.37	92.745	0.824	395.38	92.774
50%	Vmax	1.4878	395.51	94.201	1.489	395.42	94.244	1.489	395.51	94.196	1.488	395.32	94.17	1.488	395.47	94.187
75%	Vmax	2.2391	395.48	94.45	2.239	395.35	94.446	2.238	395.34	94.418	2.239	395.48	94.412	2.24	395.6	94.426
100%	Vmax	2.9792	395.68	94.275	2.979	395.59	94.267	2.979	395.53	94.279	2.98	395.69	94.252	2.98	395.51	94.274

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(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															