Manufacturer: Shanghai Aero-Sharp Electric Technologies Co.Ltd

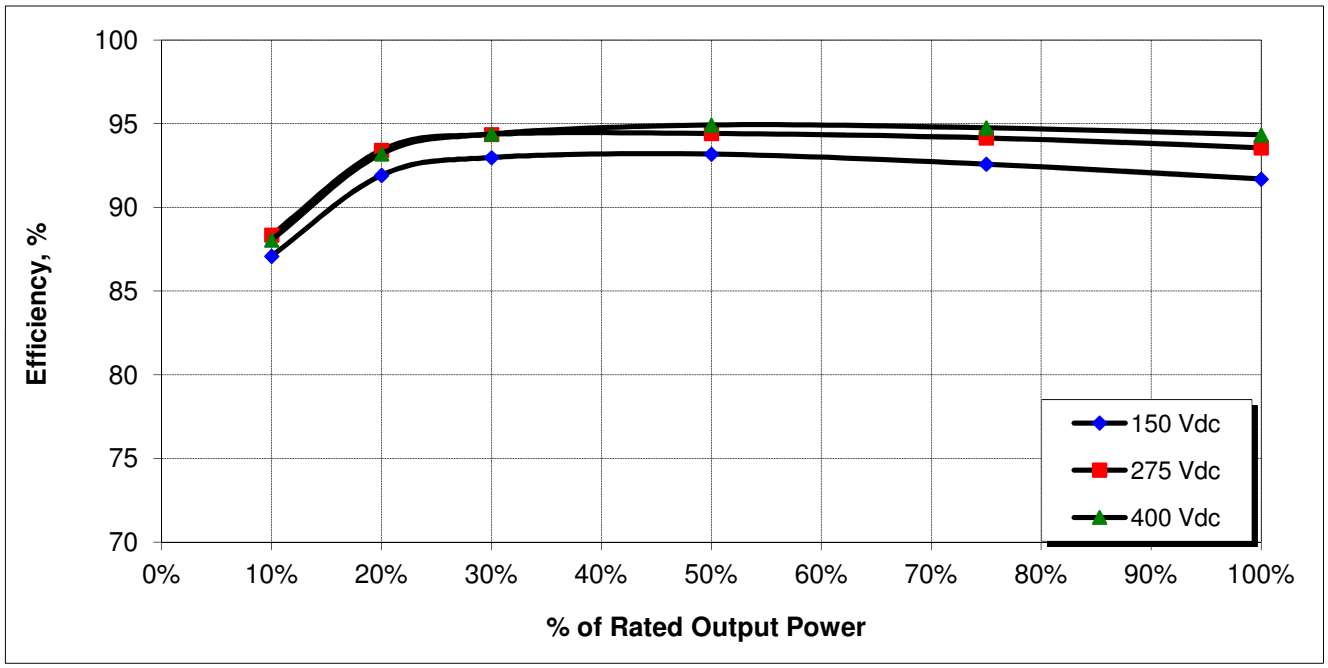
Model #: X01-060L2E1

Rated Maximum Continuous Output Power: 5.99 kW Night Tare Loss: -0.80 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.60	1.20	1.80	3.00	4.49	5.99	Wtd
Vmin	150	87.1	91.9	93.0	93.2	92.6	91.7	92.5
Vnom	275	88.4	93.4	94.4	94.4	94.1	93.6	93.9
Vmax	400	88.0	93.2	94.4	94.9	94.8	94.3	94.4

CEC Efficiency = 93.5%



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	0.5551	151.63	87.275	0.542	151.72	87.09	0.541	151.63	87.047	0.541	151.7	87.01	0.541	151.75	86.985
20%	Vmin	1.1832	151.62	91.915	1.186	151.94	91.934	1.184	151.74	91.884	1.183	151.63	91.856	1.186	151.91	91.955
30%	Vmin	1.7896	151.74	92.953	1.792	151.86	92.974	1.792	151.89	92.991	1.79	151.75	92.974	1.793	151.94	92.985
50%	Vmin	3.017	152.19	93.158	3.017	152.14	93.176	3.017	152.14	93.176	3.014	151.96	93.18	3.016	152.06	93.189
75%	Vmin	4.508	152.36	92.571	4.508	152.36	92.572	4.51	152.44	92.57	4.511	152.45	92.59	4.514	152.56	92.58
100%	Vmin	5.955	152.61	91.691	5.954	152.56	91.691	5.945	152.32	91.714	5.961	152.81	91.67	5.96	152.72	91.693
10%	Vnom	0.4961	275.03	88.413	0.496	274.76	88.406	0.495	274.78	88.323	0.494	274.5	88.237	0.496	274.9	88.381
20%	Vnom	1.2048	274.85	93.398	1.205	274.77	93.38	1.206	275.04	93.445	1.205	274.84	93.424	1.204	274.75	93.417
30%	Vnom	1.8156	274.92	94.369	1.814	274.83	94.311	1.815	274.81	94.343	1.816	274.91	94.38	1.815	274.81	94.361
50%	Vnom	3.011	274.79	94.418	3.01	274.86	94.406	3.011	274.89	94.427	3.01	274.89	94.41	3.009	274.97	94.388
75%	Vnom	4.503	275.01	94.114	4.502	274.79	94.163	4.501	274.81	94.15	4.5	274.81	94.129	4.502	274.82	94.163
100%	Vnom	5.995	275.15	93.551	5.989	274.85	93.553	5.992	275	93.55	5.993	275	93.562	5.989	274.81	93.555
10%	Vmax	0.536	395.9	87.901	0.536	396.1	87.903	0.538	396.13	88.165	0.538	396.37	88.163	0.537	395.99	88.111
20%	Vmax	1.2025	396.11	93.125	1.204	396.06	93.235	1.207	396.35	93.287	1.202	395.92	93.125	1.206	396.2	93.228
30%	Vmax	1.8298	396.12	94.355	1.83	396.07	94.392	1.83	396.23	94.39	1.829	396.15	94.353	1.831	396.32	94.415
50%	Vmax	3.044	396.17	94.92	3.042	396.19	94.907	3.043	396.11	94.918	3.046	396.29	94.939	3.043	396.32	94.906
75%	Vmax	4.54	396.46	94.736	4.539	396.36	94.764	4.539	396.34	94.756	4.538	396.32	94.739	4.54	396.42	94.757
100%	Vmax	6.011	396.36	94.331	6.014	396.5	94.338	6.013	396.37	94.336	6.011	396.34	94.326	6.014	396.57	94.314

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															