Manufacturer: EXELTECH, INC.

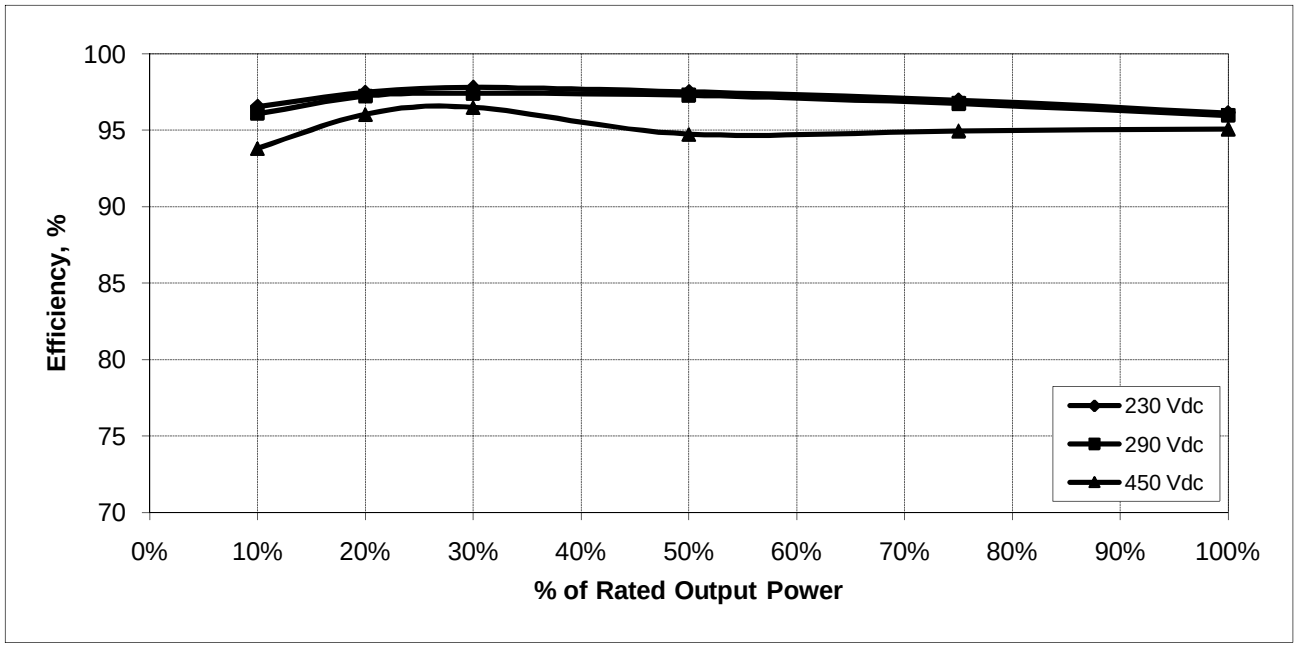
Model #: XLGT18A60 and XLGT18A60-01

Rated Maximum Continuous Output Power: 1.80 kW Night Tare Loss: 0.16 W

Vmin: 230 Vdc Vnom: 290 Vdc Vmax: 450 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.18	0.36	0.54	0.90	1.35	1.80	Wtd
Vmin	230	96.6	97.5	97.8	97.5	97.0	96.1	97.2
Vnom	290	96.1	97.2	97.4	97.3	96.7	96.0	96.9
Vmax	450	93.8	96.0	96.5	94.7	95.0	95.1	95.1

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)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	0.1796	229.34	96.977	0.158	232.06	96.052	0.157	230.73	96.098	0.157	229.47	96.671	0.157	230.65	96.027
20%	Vmin	0.3403	230.48	97.431	0.34	230.41	97.449	0.34	230.12	97.472	0.34	230.51	97.400	0.341	229.99	97.737
30%	Vmin	0.5404	230.81	97.827	0.541	230.6	97.817	0.541	230.86	97.820	0.54	231.11	97.791	0.539	230.05	97.765
50%	Vmin	0.8207	230.59	97.548	0.836	230.08	97.558	0.838	229.97	97.540	0.836	229.77	97.508	0.836	230.6	97.475
75%	Vmin	1.2786	230	96.984	1.262	231.85	97.018	1.266	232.81	97.006	1.262	230.7	96.978	1.262	230.12	96.911
100%	Vmin	1.7245	230.28	96.237	1.741	230.07	96.153	1.738	230.28	96.161	1.74	230.06	96.073	1.741	230.18	96.051
10%	Vnom	0.1796	290.12	96.444	0.179	289.82	95.745	0.18	290.29	95.969	0.178	290.03	95.868	0.179	289.99	95.739
20%	Vnom	0.3786	289.84	97.375	0.378	290.62	97.104	0.378	290.57	97.095	0.378	290.93	97.049	0.378	290.25	97.352
30%	Vnom	0.577	290.05	97.422	0.578	290.92	97.448	0.578	290.76	97.447	0.577	290.19	97.403	0.577	290.4	97.433
50%	Vnom	0.8283	290.39	97.338	0.829	290.17	97.322	0.83	290.08	97.332	0.828	289.99	97.270	0.828	290.11	97.213
75%	Vnom	1.2719	289.99	96.804	1.273	290.18	96.752	1.271	290.23	96.769	1.271	290.29	96.735	1.272	290.39	96.683
100%	Vnom	1.7169	288.92	96.044	1.718	291.17	96.078	1.718	290.17	95.969	1.712	289.55	95.882	1.717	289.51	95.910
10%	Vmax	0.1626	450.27	93.661	0.176	450.94	93.481	0.176	449.96	93.570	0.177	450.83	94.058	0.177	450.06	94.096
20%	Vmax	0.3931	450.74	96.115	0.38	450.46	96.169	0.34	448.31	96.247	0.34	449.65	95.839	0.341	449.87	95.867
30%	Vmax	0.5713	450.04	96.456	0.571	450.78	96.506	0.572	450.22	96.540	0.57	449.74	96.465	0.57	450.24	96.488
50%	Vmax	0.8846	450.12	94.426	0.837	449.16	94.754	0.838	449.42	94.843	0.836	449.17	94.748	0.835	445.67	94.901
75%	Vmax	1.3326	450.19	95.214	1.297	449.78	94.243	1.302	450.18	95.325	1.298	450.16	94.644	1.299	449.96	95.340
100%	Vmax	1.782	449.9	95.062	1.783	450.58	95.143	1.718	450.09	95.045	1.712	450.01	95.163	1.717	450.14	95.013

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															