Manufacturer: Jiangsu Zeversolar New Energy Co., Ltd

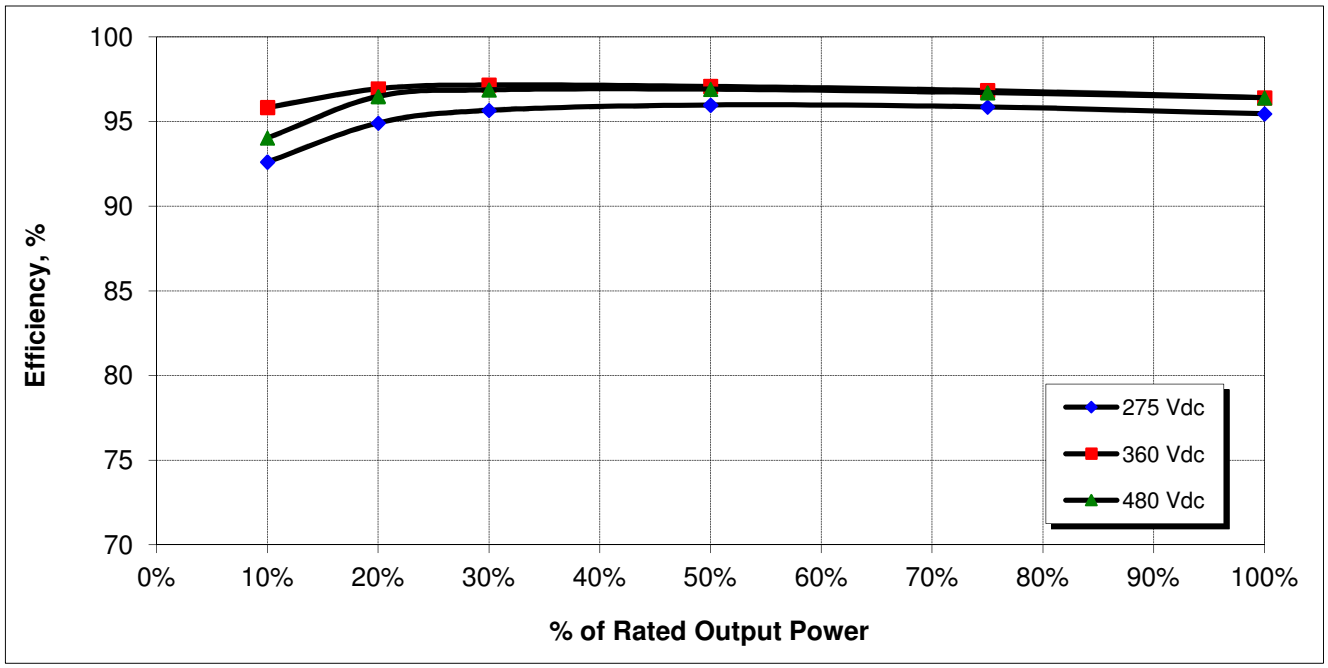
Model #: Evershine TL6000-US-240

Rated Maximum Continuous Output Power: 5.99 kW Night Tare Loss: 0.35 W

Vmin: 275 Vdc Vnom: 360 Vdc Vmax: 480 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	275	92.6	94.9	95.7	96.0	95.9	95.4	95.7
Vnom	360	95.8	96.9	97.2	97.1	96.8	96.4	96.9
Vmax	480	94.0	96.5	96.9	96.9	96.7	96.4	96.6

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	517.5	276.95	92.570	518.3	276.78	92.571	519	277.02	92.636	518.9	278.19	92.647	518.7	276.24	92.583
20%	Vmin	1243.2	276.82	94.881	1243	277.74	94.903	1243	277.19	94.908	1243	277.17	94.914	1243	276.49	94.894
30%	Vmin	1851.6	278.09	95.658	1852	277.7	95.660	1852	277.9	95.661	1852	276.45	95.641	1852	277.54	95.640
50%	Vmin	2936.7	277.33	95.965	2937	277.19	95.968	2936	276.88	95.970	2936	277.57	95.980	2935	275.71	95.966
75%	Vmin	4245.7	276.39	95.854	4245	277.79	95.878	4246	277.17	95.857	4245	277.19	95.861	4245	275.89	95.850
100%	Vmin	5822.6	277.66	95.455	5823	278.23	95.443	5821	276.88	95.427	5821	276.86	95.451	5823	278.24	95.455
10%	Vnom	534.88	359.5	95.608	538	361.88	96.188	535.5	363.8	95.682	534.9	362.07	95.638	536.4	362.68	95.783
20%	Vnom	1272.3	362.16	97.167	1268	358.82	96.900	1268	361.23	96.853	1270	361.67	97.023	1270	361.52	96.994
30%	Vnom	1882.5	361.73	97.237	1880	362.64	97.107	1880	362.57	97.122	1882	362.58	97.181	1879	361.69	97.047
50%	Vnom	3273.2	360.37	97.124	3269	362.65	97.006	3277	361.77	97.212	3267	362.22	96.896	3276	362.82	97.146
75%	Vnom	4295.4	362.82	96.881	4295	362.55	96.874	4291	361.21	96.821	4291	362.5	96.810	4293	362.42	96.843
100%	Vnom	5747.3	362.26	96.427	5744	362.73	96.381	5750	365.19	96.449	5747	362.44	96.411	5749	364.6	96.424
10%	Vmax	528.85	475.72	94.582	524.2	476.93	93.784	520.9	475.27	93.220	526.1	473.71	94.130	525.7	474.23	94.092
20%	Vmax	1261.6	474.47	96.349	1264	475.74	96.537	1263	475.27	96.503	1262	475.78	96.398	1263	476.92	96.493
30%	Vmax	1876.7	473.24	97.003	1875	475.11	96.926	1871	475.42	96.706	1873	474.28	96.797	1872	475.15	96.787
50%	Vmax	3267.1	474.1	96.878	3268	476.85	96.907	3269	473.9	96.910	3268	476.48	96.901	3269	475.01	96.907
75%	Vmax	4353.9	473.95	96.714	4353	474.48	96.690	4352	475.6	96.683	4356	474.09	96.762	4350	474.27	96.626
100%	Vmax	5780.4	474.5	96.381	5777	475.62	96.317	5787	473.97	96.471	5782	476.7	96.410	5786	473.6	96.457

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	518.59	276.79	92.599	519.2	277.2	92.656									
20%	Vmin	1243.2	277.22	94.904	1243	278.37	94.945									
30%	Vmin	1851.7	278.22	95.658	1852	276.88	95.661									
50%	Vmin	2936.4	277.56	95.977	2936	277.31	95.969									
75%	Vmin	4245.6	276.62	95.848	4244	277.51	95.862									
100%	Vmin	5824.4	278.35	95.461	5823	277	95.452									
10%	Vnom	538.12	364.6	96.213	535.4	362.08	95.675									
20%	Vnom	1266.8	360.95	96.759	1269	362.4	96.860									
30%	Vnom	1884.2	364.37	97.319	1881	363.6	97.127									
50%	Vnom	3275.7	362	97.191	3269	363.33	96.966									
75%	Vnom	4289	361.95	96.790	4291	362.26	96.810									
100%	Vnom	5740.7	362.53	96.349	5747	363.06	96.401									
10%	Vmax	524.87	472.2	93.913	528.2	473.57	94.488									
20%	Vmax	1261.7	475.58	96.387	1265	476.38	96.678									
30%	Vmax	1874.2	474.29	96.884	1876	476.17	96.965									
50%	Vmax	3264.4	473	96.790	3273	475.44	97.049									
75%	Vmax	4354.4	476.98	96.739	4352	479.05	96.710									
100%	Vmax	5780.1	475.58	96.361	5779	477.15	96.373									