Manufacturer: Jiangsu Zeversolar New Energy Co., Ltd

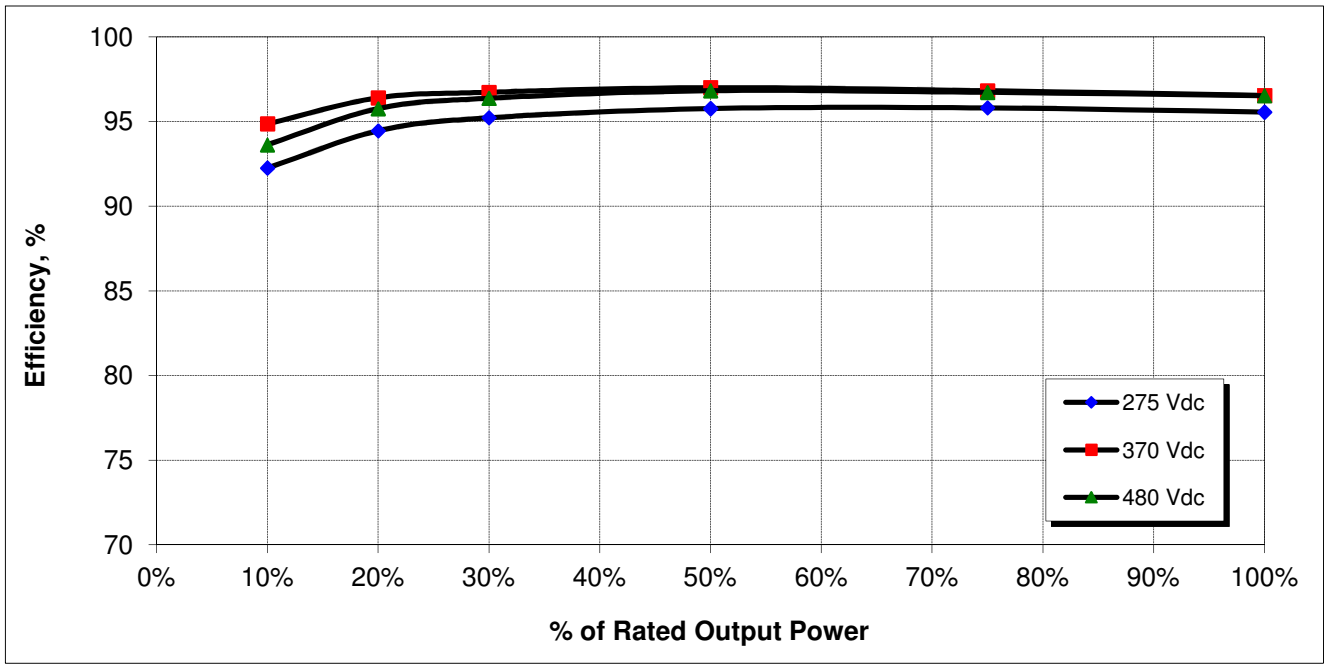
Model #: Evershine TL4000-US-208

Rated Maximum Continuous Output Power: 3.97 kW Night Tare Loss: 0.26 W

Vmin: 275 Vdc Vnom: 370 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.40	0.79	1.19	1.99	2.98	3.97	Wtd
Vmin	275	92.3	94.5	95.2	95.8	95.8	95.6	95.5
Vnom	370	94.9	96.4	96.7	97.0	96.8	96.5	96.7
Vmax	480	93.6	95.8	96.4	96.8	96.7	96.5	96.5

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	383.94	277.25	92.260	383.7	276.59	92.248	384.7	276.57	92.265	384.4	276.76	92.243	383	278.24	92.266
20%	Vmin	821.58	277.65	94.424	826.2	276.26	94.398	824.4	277.55	94.472	825	277.36	94.459	819.6	278.9	94.468
30%	Vmin	1200.4	277.43	95.212	1204	278.01	95.228	1205	277.42	95.233	1208	276.6	95.217	1209	276.5	95.211
50%	Vmin	1831.7	277.83	95.772	1835	278.02	95.776	1831	278.36	95.772	1836	277.6	95.764	1834	277.08	95.756
75%	Vmin	2814.6	278.42	95.817	2813	277.64	95.803	2812	278.82	95.823	2815	278.13	95.810	2816	278.63	95.810
100%	Vmin	3837.2	277.85	95.551	3839	278.34	95.552	3839	277.99	95.559	3839	278.77	95.568	3840	278.37	95.565
10%	Vnom	373.19	368.7	94.768	373.7	369.93	94.854	373.8	367.94	94.948	373.5	368.58	94.854	373.3	367.23	94.830
20%	Vnom	847.4	370.03	96.361	847.9	369.36	96.424	847.4	369.44	96.402	847.2	368.33	96.415	847.2	367.9	96.426
30%	Vnom	1233.8	368.86	96.754	1234	369.89	96.722	1234	369.77	96.747	1232	369.99	96.678	1233	370.94	96.709
50%	Vnom	1833.4	369.45	96.989	1833	372.22	96.985	1834	370.68	96.998	1834	370.75	97.003	1834	371.14	97.009
75%	Vnom	2852.3	367.88	96.813	2853	369.37	96.830	2852	367.68	96.800	2852	368.28	96.820	2853	369.09	96.820
100%	Vnom	3818.4	368.37	96.551	3818	368.76	96.539	3818	367.53	96.535	3817	367.89	96.534	3817	368.36	96.537
10%	Vmax	368.51	473.69	93.637	368.4	474.66	93.630	368	475.13	93.518	367.9	476.1	93.534	368.7	472.99	93.703
20%	Vmax	842.18	473.91	95.740	842	477.28	95.751	842.5	474.4	95.805	842.7	473.24	95.794	842.1	475.91	95.738
30%	Vmax	1228.9	473.13	96.361	1228	475.73	96.355	1229	475.83	96.342	1230	475.31	96.386	1230	474.93	96.372
50%	Vmax	1828.5	474.62	96.835	1828	472.47	96.816	1829	471.77	96.840	1827	474.35	96.796	1828	472.26	96.807
75%	Vmax	2852.6	473.21	96.724	2853	472.02	96.717	2852	473.13	96.704	2853	473.54	96.739	2853	473.17	96.725
100%	Vmax	3821.3	472.29	96.532	3821	473.37	96.536	3821	473.09	96.531	3820	472.89	96.516	3821	473.58	96.529

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	382.27	278.17	92.256	383.7	277.01	92.230									
20%	Vmin	823.19	278.25	94.462	819.7	278.79	94.480									
30%	Vmin	1205.6	277.32	95.231	1207	277.06	95.227									
50%	Vmin	1830.9	277.61	95.771	1826	277.65	95.748									
75%	Vmin	2815.1	278.59	95.810	2816	277.17	95.797									
100%	Vmin	3839.9	276.73	95.546	3836	278.03	95.558									
10%	Vnom	373.91	368.34	94.919	373.5	366.33	94.883									
20%	Vnom	847.27	369.08	96.395	847	369.49	96.377									
30%	Vnom	1233.2	370.26	96.721	1233	370.9	96.757									
50%	Vnom	1833.9	370.13	97.002	1833	370.97	96.995									
75%	Vnom	2852.9	368.59	96.820	2852	368.29	96.810									
100%	Vnom	3818.3	368.1	96.547	3818	368.87	96.545									
10%	Vmax	368.83	473.85	93.706	368.5	475.92	93.630									
20%	Vmax	842.28	475.06	95.738	842.3	474.61	95.746									
30%	Vmax	1229.8	474.34	96.391	1230	474.04	96.401									
50%	Vmax	1827.5	475.07	96.822	1829	472.89	96.842									
75%	Vmax	2852.2	472.48	96.706	2853	473.77	96.739									
100%	Vmax	3821	472.45	96.527	3821	472.46	96.530									