Manufacturer: Jiangsu Zeversolar New Energy Co., Ltd

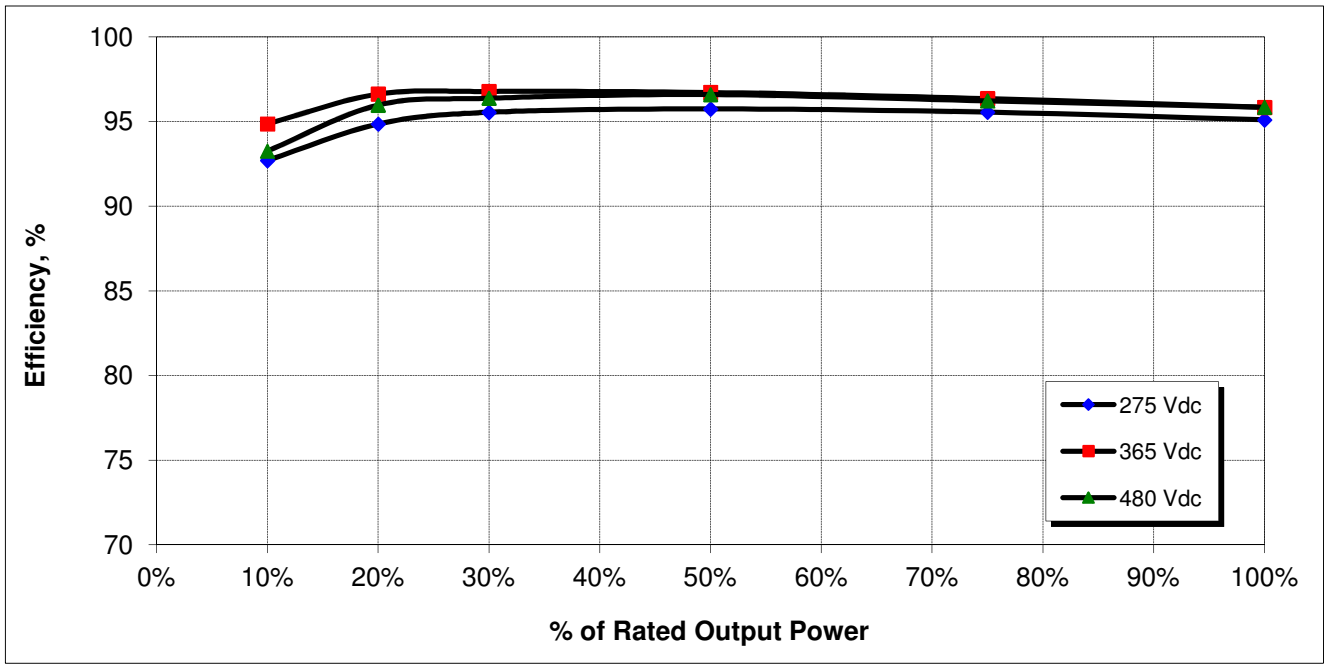
Model #: Evershine TL6000-US-208

Rated Maximum Continuous Output Power: 5.32 kW Night Tare Loss: 0.27 W

Vmin: 275 Vdc Vnom: 365 Vdc Vmax: 480 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.53	1.06	1.60	2.66	3.99	5.32	Wtd
Vmin	275	92.7	94.8	95.5	95.7	95.5	95.1	95.4
Vnom	365	94.9	96.6	96.8	96.7	96.4	95.8	96.4
Vmax	480	93.3	96.0	96.4	96.6	96.2	95.9	96.2

CEC Efficiency = 96.0%



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	526.3	277.38	92.670	526.7	277.12	92.697	526.7	277.38	92.706	525.4	275.57	92.618	527.4	278.97	92.753
20%	Vmin	1133.6	277	94.852	1134	277.66	94.847	1133	277.27	94.838	1134	277.39	94.861	1133	277.02	94.847
30%	Vmin	1688.3	277.89	95.544	1688	278.1	95.508	1688	279.46	95.559	1688	279.28	95.568	1688	277.8	95.509
50%	Vmin	2455.2	277.57	95.724	2455	275.72	95.731	2454	277.19	95.736	2455	278.05	95.757	2455	278.34	95.751
75%	Vmin	3807.1	277.36	95.533	3806	277.04	95.535	3807	276.39	95.530	3807	277.37	95.546	3808	276.69	95.560
100%	Vmin	5130.7	276.6	95.111	5130	276.43	95.092	5131	276.29	95.085	5130	276.97	95.102	5130	276.77	95.083
10%	Vnom	484.58	367.79	94.826	485.7	365.04	94.879	484.4	362.53	94.634	482.8	365.37	94.374	488.3	363.25	95.381
20%	Vnom	1154.6	364.38	96.542	1155	362.61	96.561	1152	365.67	96.334	1155	366.83	96.631	1157	365.05	96.771
30%	Vnom	1709.3	362.87	96.697	1713	363.75	96.896	1710	363.5	96.704	1710	363.17	96.702	1712	365.17	96.909
50%	Vnom	2485.6	363.67	96.872	2478	361.49	96.635	2478	362.91	96.597	2479	367.18	96.691	2481	365.52	96.696
75%	Vnom	3787.3	365.39	96.286	3794	364.17	96.437	3795	363.81	96.449	3790	363.58	96.360	3790	362.66	96.396
100%	Vnom	5177.6	363.66	95.846	5171	361.79	95.750	5176	364.93	95.812	5180	364.05	95.832	5182	364.87	95.881
10%	Vmax	472.43	477.87	92.424	478.8	475.49	93.574	476	476.94	93.089	476.7	475.83	93.243	476.5	476.78	93.131
20%	Vmax	1148.4	473.89	96.020	1153	474.51	96.344	1147	474.59	95.878	1154	476.16	96.430	1141	477.23	95.412
30%	Vmax	1707.9	477.03	96.660	1702	477.47	96.323	1701	474.94	96.323	1702	477.65	96.340	1701	473.6	96.320
50%	Vmax	2479	477.81	96.558	2480	477.29	96.576	2479	476.46	96.519	2485	477.82	96.821	2478	476.99	96.539
75%	Vmax	3787.4	476.08	96.216	3794	476.9	96.356	3786	476.19	96.155	3781	474.41	96.076	3790	476.18	96.245
100%	Vmax	5146.1	474.66	95.974	5135	476.5	95.737	5139	478.05	95.837	5132	474.48	95.723	5144	477.58	95.926

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	526.23	276.65	92.665	527.1	277.59	92.800									
20%	Vmin	1132.3	276.27	94.838	1132	276.15	94.827									
30%	Vmin	1687.7	278.1	95.508	1688	279.5	95.571									
50%	Vmin	2455.1	277.24	95.729	2455	277.61	95.747									
75%	Vmin	3806.8	278.34	95.551	3804	279.45	95.566									
100%	Vmin	5130.5	276.64	95.100	5131	276.75	95.105									
10%	Vnom	486.57	365.27	95.065	484.1	369.81	94.848									
20%	Vnom	1158.8	365.06	96.955	1153	365.07	96.544									
30%	Vnom	1709.8	364.36	96.709	1712	363.62	96.824									
50%	Vnom	2485.1	361.99	96.872	2478	364.99	96.641									
75%	Vnom	3785.6	365.21	96.263	3787	365.08	96.288									
100%	Vnom	5178.9	365.14	95.845	5183	363.19	95.883									
10%	Vmax	485.22	476.27	94.770	473.2	475.81	92.552									
20%	Vmax	1144.3	478.09	95.688	1149	475.42	96.035									
30%	Vmax	1703.4	478.68	96.475	1700	476.98	96.237									
50%	Vmax	2483.1	476.59	96.708	2475	477.56	96.446									
75%	Vmax	3787.1	476.82	96.198	3793	474.86	96.321									
100%	Vmax	5143.9	473.8	95.909	5140	474.89	95.882									