Manufacturer: Ningbo Ginlong Technologies Co.,Ltd.

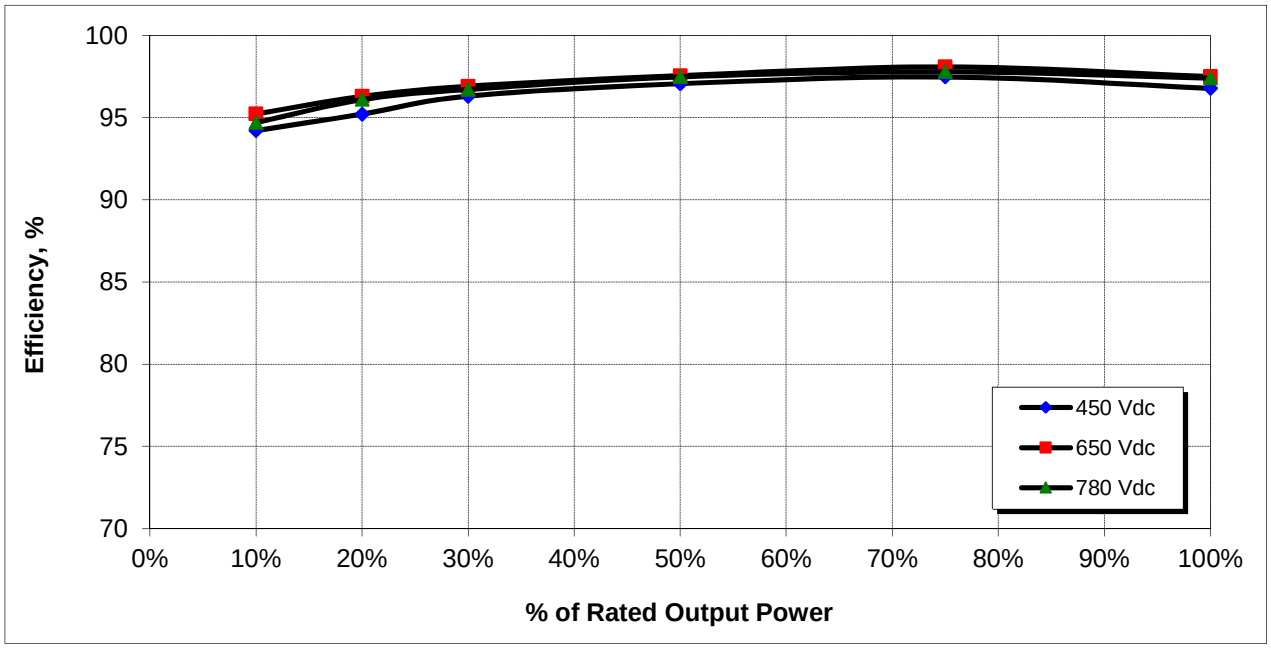
Model #: Solis-10K-US（480Vac）

Rated Maximum Continuous Output Power: 10.00 kW Night Tare Loss: 12.00 W

Vmin: 450 Vdc Vnom: 650 Vdc Vmax: 780 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.00	2.00	3.00	5.00	7.50	10.00	Wtd
Vmin	450	94.2	95.2	96.3	97.1	97.5	96.8	97.0
Vnom	650	95.2	96.3	96.9	97.6	98.1	97.5	97.6
Vmax	780	94.7	96.1	96.7	97.5	97.8	97.4	97.4

CEC Efficiency = 97.5%



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	0.9903	448.69	94.280	1.006	449.33	94.140	1.011	449.19	94.300	1.008	451.12	94.150	0.99	450.52	94.080
20%	Vmin	2.006	452.95	95.180	1.976	449.43	95.300	1.981	450.92	95.250	1.991	452.48	95.310	2.01	447.26	95.210
30%	Vmin	3.0267	451.08	96.210	3.016	451.52	96.280	3.017	447.96	96.310	3.023	452.1	96.350	3.037	448.69	96.300
50%	Vmin	5.049	450.9	97.050	4.97	450.34	96.990	4.949	447.45	97.000	5.039	450.73	97.080	5.053	451.55	97.110
75%	Vmin	7.4559	449.3	97.500	7.475	450.45	97.500	7.535	448.96	97.470	7.46	447.67	97.500	7.468	452.7	97.470
100%	Vmin	9.9261	451.57	96.850	9.951	450.07	96.820	10.04	447.51	96.730	9.943	447.32	96.750	10.05	452.24	96.800
10%	Vnom	0.9923	647.49	95.130	0.991	647.32	95.250	0.99	651.91	95.340	0.988	650.1	95.130	1.012	647.81	95.270
20%	Vnom	2.0228	652.32	96.360	2.023	649.32	96.310	2.014	648.41	96.230	2.025	647.74	96.370	2.02	650.25	96.340
30%	Vnom	2.9645	649.31	96.800	3.012	647.51	96.910	2.968	650.2	96.920	3.017	647.27	96.990	3.021	648.58	96.930
50%	Vnom	4.9794	647.04	97.720	4.944	650.25	97.680	5.034	652.02	97.540	4.937	647.26	97.530	4.952	649.47	97.490
75%	Vnom	7.4682	649.47	98.020	7.465	649.27	98.150	7.435	652.49	98.070	7.527	647.66	98.090	7.595	652.34	98.100
100%	Vnom	10.08	651.97	97.530	9.906	649.78	97.600	9.934	650.2	97.520	9.946	648.11	97.550	9.875	650.87	97.410
10%	Vmax	0.993	780.99	94.630	0.992	781.18	94.600	1.011	778.48	94.790	1.01	782.01	94.810	0.988	778.08	94.590
20%	Vmax	2.0175	777.28	96.020	2.015	778.22	96.110	2.008	778.44	96.170	1.974	780.18	96.060	2.017	781.25	96.090
30%	Vmax	3.0238	781.39	96.770	2.987	777.63	96.710	2.971	778.89	96.590	3.01	777.15	96.670	3.034	782.22	96.810
50%	Vmax	5.0486	781.69	97.540	4.945	777.79	97.460	5.037	779.64	97.450	5.054	782.37	97.410	4.974	777.04	97.560
75%	Vmax	7.4772	778.46	97.790	7.539	780.81	97.730	7.444	779.62	97.750	7.458	780.56	97.830	7.548	782.88	97.730
100%	Vmax	10.119	779.84	97.370	10.05	778.21	97.400	9.914	779.73	97.480	9.96	777.59	97.430	9.888	777.75	97.370

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	0.9959	451.2	94.280	0.988	448.92	94.280	1.009	451.96	94.320	1.009	449.45	94.200	0.993	448.89	94.090
20%	Vmin	2.0255	451.55	95.150	1.981	447.82	95.150	2.014	451.16	95.080	1.985	452.85	95.260	2.019	448.26	95.310
30%	Vmin	3.0114	452.43	96.370	2.977	447	96.370	3.018	447.13	96.270	3.034	449.65	96.400	3.015	451.2	96.260
50%	Vmin	4.9512	450.81	97.000	4.954	451.69	97.000	4.938	450.87	97.190	5.058	452.32	97.210	5.051	451.93	97.010
75%	Vmin	7.5637	451.26	97.450	7.413	450.83	97.450	7.468	447.43	97.440	7.551	448.48	97.540	7.462	450.73	97.520
100%	Vmin	10.067	449.68	96.780	10.11	452.24	96.780	10.12	448.24	96.870	10.12	449.79	96.740	10.12	447.7	96.730
10%	Vnom	0.989	649.89	95.260	1.012	650.5	95.260	0.993	652.14	95.260	0.991	648.84	95.150	1.011	649.98	95.240
20%	Vnom	1.9777	652.12	96.330	1.975	652.66	96.330	1.976	648.92	96.270	1.989	652.72	96.220	1.993	650.75	96.180
30%	Vnom	2.9641	647.79	96.910	3.019	651.59	96.910	3.011	652.32	96.970	2.974	647.15	96.840	2.962	647.42	96.940
50%	Vnom	5.0272	651.93	97.480	5.039	650.5	97.480	5.039	651.14	97.690	5.033	650.2	97.480	4.975	652.26	97.490
75%	Vnom	7.5574	647.51	98.040	7.467	647.01	98.040	7.419	648.87	98.060	7.555	648.97	98.180	7.576	650.11	98.130
100%	Vnom	9.8751	648.59	97.430	10.07	649.75	97.430	9.936	648.76	97.450	9.962	649.37	97.580	10.12	650.15	97.530
10%	Vmax	0.9963	782.01	94.640	1.004	778.52	94.720	1.008	781.64	94.730	1.006	781.4	94.830	1.004	782.48	94.670
20%	Vmax	1.9934	780.7	96.060	2.023	778.65	96.020	2.023	778.76	96.060	2.025	780.71	96.210	1.987	778.78	96.220
30%	Vmax	2.9708	777.34	96.670	3.03	779.32	96.670	3.022	780.79	96.810	3.029	778.83	96.780	2.963	778.83	96.670
50%	Vmax	4.9786	781.4	97.500	5.046	779.68	97.420	5.058	782.32	97.580	4.964	778.72	97.410	4.938	778.56	97.520
75%	Vmax	7.4404	778.16	97.870	7.405	778.67	97.820	7.594	781.85	97.790	7.556	779.54	97.860	7.46	780.47	97.770
100%	Vmax	10.117	777.67	97.470	9.947	782.81	97.360	9.903	779.7	97.310	10.11	782.43	97.420	9.889	781.16	97.430