Manufacturer: Ningbo Ginlong Technologies Co.,Ltd.

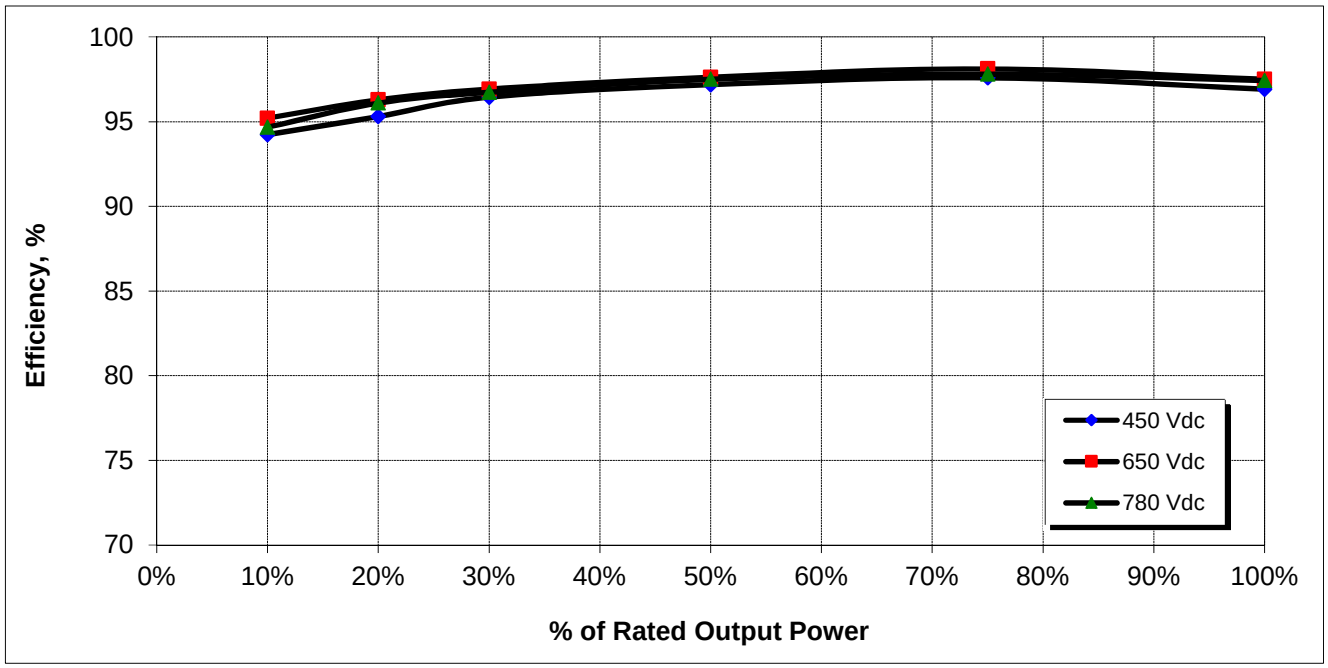
Model #: Solis-15K-US（480Vac）

Rated Maximum Continuous Output Power: 15.00 kW Night Tare Loss: 15.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		1.50	3.00	4.50	7.50	11.25	15.00	Wtd
Vmin	450	94.2	95.3	96.4	97.2	97.6	96.9	97.1
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	1.5125	452.59	94.250	1.486	449.78	94.160	1.509	448.16	94.230	1.517	448.17	94.210	1.516	451.58	94.240
20%	Vmin	2.9823	448.88	95.390	3.021	449	95.220	2.975	450.49	95.400	3.015	451.17	95.210	2.977	451.72	95.220
30%	Vmin	4.5484	452.61	96.440	4.451	450	96.470	4.54	449.39	96.470	4.47	448.24	96.490	4.45	451.64	96.450
50%	Vmin	7.4204	452.85	97.110	7.421	451.97	97.120	7.412	450.2	97.270	7.58	451.55	97.110	7.462	447.11	97.220
75%	Vmin	11.136	451.57	97.530	11.12	447.52	97.570	11.19	452.38	97.670	11.17	452.61	97.640	11.18	452.98	97.630
100%	Vmin	14.893	449.84	96.930	15.08	450.58	96.930	15.16	448.61	97.000	15.18	449.22	96.870	15.1	448.77	96.860
10%	Vnom	1.5192	650.85	95.270	1.494	650.77	95.330	1.494	652.2	95.130	1.485	648.2	95.290	1.509	651.94	95.250
20%	Vnom	3.025	649.11	96.270	3.014	649.91	96.400	3.03	648.93	96.190	3.033	651.72	96.300	3.018	649.33	96.220
30%	Vnom	4.4415	650.9	96.890	4.482	647.63	96.940	4.533	652.83	96.950	4.54	652.58	96.900	4.468	647.75	96.980
50%	Vnom	7.4763	652.94	97.540	7.457	650.71	97.620	7.543	648.06	97.640	7.459	648.68	97.500	7.447	652.71	97.670
75%	Vnom	11.205	649.17	98.150	11.37	650.76	98.080	11.37	649.69	98.120	11.2	650.74	98.190	11.36	652	98.180
100%	Vnom	15.165	650.49	97.490	15.15	650.13	97.500	14.89	649.77	97.600	14.86	648.81	97.470	15.19	649.16	97.460
10%	Vmax	1.4898	779.93	94.570	1.514	778.39	94.790	1.518	782.35	94.570	1.516	781.51	94.690	1.506	779.45	94.780
20%	Vmax	2.9634	777.25	96.060	3.013	782.54	96.040	2.978	781.55	96.020	3.02	777.03	96.130	2.97	779.94	96.070
30%	Vmax	4.4583	782.03	96.760	4.477	777.98	96.770	4.484	777.6	96.710	4.472	780.01	96.610	4.468	778.74	96.800
50%	Vmax	7.4702	778.46	97.570	7.532	777.01	97.590	7.575	777.08	97.490	7.466	780.87	97.420	7.404	778.32	97.560
75%	Vmax	11.362	778.94	97.860	11.32	781.49	97.750	11.3	777.98	97.840	11.21	777.33	97.790	11.34	779.87	97.820
100%	Vmax	15.17	780.81	97.400	14.82	777.91	97.380	14.91	777.37	97.43	15.15	780.53	97.490	14.94	780.18	97.390

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	1.4812	451.96	94.250	1.494	447.52	94.290	1.514	451.3	94.300	1.516	451.88	94.200	1.484	447.54	94.190
20%	Vmin	3.0295	451.99	95.370	3.023	451.82	95.240	2.97	449.34	95.420	2.987	450.84	95.310	3.039	452.69	95.250
30%	Vmin	4.5151	450.03	96.460	4.515	447.29	96.450	4.518	452.7	96.410	4.545	448.79	96.520	4.534	452.32	96.310
50%	Vmin	7.5588	450.22	97.210	7.533	448.2	97.090	7.584	452.95	97.210	7.439	449.38	97.230	7.592	452.74	97.330
75%	Vmin	11.149	448.25	97.660	11.13	447.7	97.560	11.36	452.61	97.570	11.39	449.55	97.600	11.38	447.67	97.530
100%	Vmin	14.813	450.12	96.960	15.19	447.94	96.910	14.83	448.05	96.820	15.06	448.17	96.940	14.89	448.58	96.980
10%	Vnom	1.4834	647.54	95.110	1.493	647.9	95.150	1.514	650.71	95.280	1.519	647.83	95.070	1.506	650.16	95.180
20%	Vnom	3.0329	649.45	96.290	2.986	650.13	96.350	2.975	647.89	96.320	3.025	649.3	96.270	2.974	652.96	96.260
30%	Vnom	4.4553	652.78	96.850	4.53	649.87	97.000	4.454	651.73	96.930	4.554	648.35	96.960	4.55	651.62	96.810
50%	Vnom	7.4631	650.77	97.590	7.431	652.22	97.550	7.404	647.03	97.690	7.582	651.95	97.720	7.592	649.36	97.730
75%	Vnom	11.208	648.01	98.160	11.33	647.53	98.110	11.32	649.25	98.060	11.19	650.2	98.100	11.12	649.61	98.040
100%	Vnom	14.812	647.72	97.510	15.1	651.41	97.490	15.1	652.31	97.440	15.12	650.3	97.590	14.91	651.76	97.450
10%	Vmax	1.5171	779.89	94.690	1.491	779.28	94.640	1.494	781.25	94.720	1.481	781.1	94.650	1.513	779.83	94.620
20%	Vmax	2.9783	782.7	96.100	3.019	778.23	96.110	3.026	779.81	96.150	2.971	777.24	96.190	3.026	780.72	96.100
30%	Vmax	4.5358	779.65	96.740	4.47	780.24	96.700	4.468	778.69	96.810	4.557	777.12	96.660	4.449	782.34	96.750
50%	Vmax	7.5802	777.69	97.480	7.547	779.54	97.390	7.533	780.82	97.440	7.473	778.79	97.630	7.466	779.59	97.510
75%	Vmax	11.338	781.24	97.830	11.19	781.2	97.790	11.1	778.48	97.810	11.3	781.72	97.810	11.33	780.79	97.770
100%	Vmax	15.146	781.31	97.420	15.14	779.14	97.420	15.09	778.46	97.420	14.86	780.14	97.480	15.17	779.37	97.500