Manufacturer: Ningbo Ginlong Technologies Co.,Ltd.

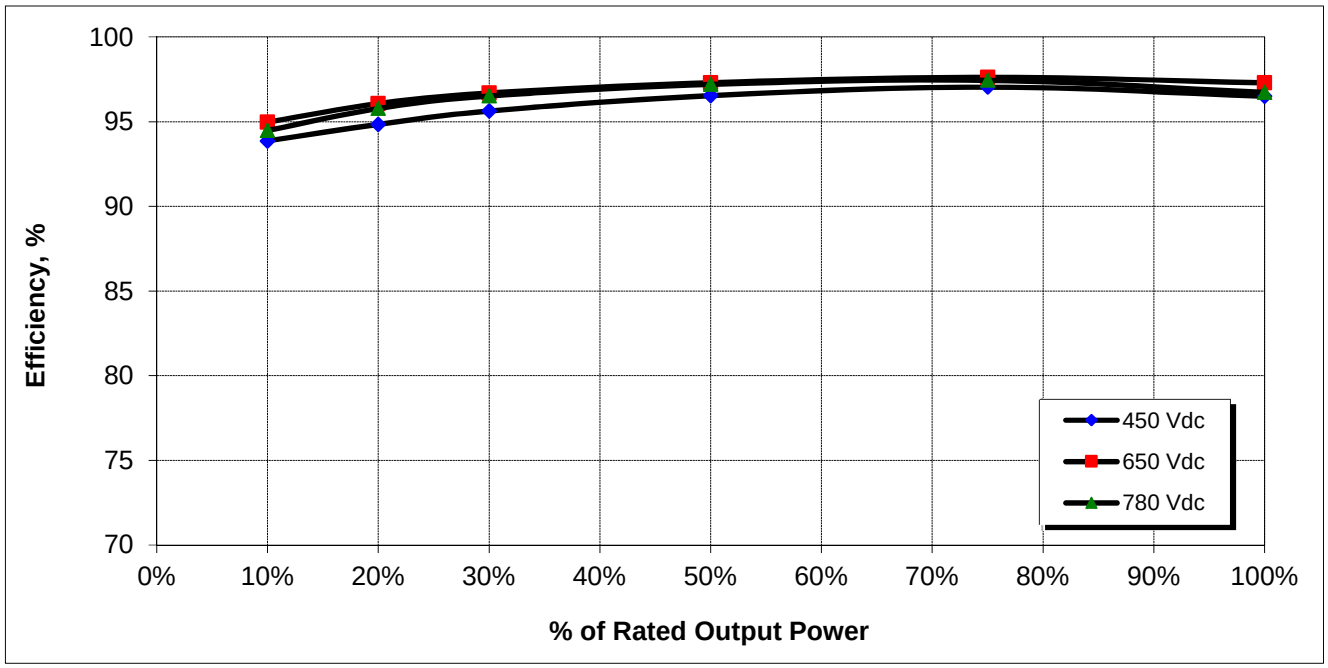
Model #: Solis-6K-US（480Vac）

Rated Maximum Continuous Output Power: 6.00 kW Night Tare Loss: 7.00 W

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

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.60	1.20	1.80	3.00	4.50	6.00	Wtd
Vmin	450	93.9	94.8	95.6	96.5	97.0	96.5	96.5
Vnom	650	95.0	96.1	96.7	97.3	97.6	97.3	97.2
Vmax	780	94.5	95.8	96.5	97.2	97.4	96.7	97.0

CEC Efficiency = 97.0%



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	0.592	451.960	93.830	0.598	447.517	93.870	0.605	451.298	93.880	0.606	451.875	93.880	0.593	447.542	93.870
20%	Vmin	1.212	451.986	94.850	1.209	451.821	94.850	1.188	449.344	94.810	1.195	450.835	94.850	1.215	452.687	94.830
30%	Vmin	1.806	450.028	95.640	1.806	447.294	95.645	1.807	452.697	95.613	1.818	448.794	95.624	1.814	452.322	95.631
50%	Vmin	3.024	450.221	96.543	3.013	448.199	96.551	3.034	452.946	96.531	2.975	449.384	96.514	3.037	452.742	96.533
75%	Vmin	4.459	448.253	97.040	4.452	447.699	97.040	4.544	452.614	97.080	4.558	449.546	97.080	4.553	447.667	97.050
100%	Vmin	5.925	450.121	96.540	6.076	447.939	96.490	5.932	448.047	96.520	6.022	448.173	96.520	5.957	448.579	96.460
10%	Vnom	0.593	647.540	94.890	0.597	647.897	94.930	0.606	650.707	95.060	0.608	647.828	94.850	0.602	650.158	94.960
20%	Vnom	1.213	649.447	96.070	1.195	650.132	96.130	1.190	647.893	96.100	1.210	649.304	96.050	1.189	652.964	96.040
30%	Vnom	1.782	652.776	96.630	1.812	649.870	96.780	1.782	651.726	96.710	1.822	648.347	96.740	1.820	651.620	96.590
50%	Vnom	2.985	650.768	97.370	2.973	652.217	97.330	2.962	647.028	97.470	3.033	651.948	97.500	3.037	649.361	97.510
75%	Vnom	4.483	648.005	97.940	4.533	647.532	97.890	4.530	649.250	97.840	4.476	650.195	97.880	4.449	649.612	97.820
100%	Vnom	5.925	647.723	97.290	6.038	651.406	97.270	6.039	652.310	97.220	6.046	650.301	97.370	5.966	651.758	97.230
10%	Vmax	0.607	779.885	94.470	0.597	779.276	94.420	0.598	781.249	94.500	0.592	781.096	94.430	0.605	779.831	94.400
20%	Vmax	1.191	782.698	95.780	1.208	778.230	95.790	1.210	779.810	95.730	1.188	777.245	95.770	1.211	780.720	95.780
30%	Vmax	1.814	779.648	96.520	1.788	780.236	96.480	1.787	778.688	96.590	1.823	777.121	96.440	1.779	782.341	96.530
50%	Vmax	3.032	777.685	97.160	3.019	779.540	97.170	3.013	780.819	97.120	2.989	778.785	97.110	2.986	779.591	97.190
75%	Vmax	4.535	781.236	97.310	4.477	781.196	97.370	4.442	778.482	97.390	4.521	781.721	97.390	4.533	780.789	97.350
100%	Vmax	6.058	781.310	96.750	6.055	779.137	96.720	6.034	778.461	96.710	5.946	780.137	96.740	6.069	779.369	96.750

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	0.595	448.729	93.880	0.596	452.472	93.840	0.594	451.854	93.870	0.597	450.297	93.900	0.606	447.024	93.830
20%	Vmin	1.187	449.645	94.820	1.187	452.380	94.830	1.185	452.020	94.880	1.194	447.664	94.880	1.186	449.985	94.810
30%	Vmin	1.815	447.526	95.614	1.807	451.632	95.624	1.809	449.739	95.623	1.784	450.027	95.631	1.814	452.243	95.624
50%	Vmin	2.987	452.307	96.547	2.972	450.170	96.543	2.983	451.646	96.537	2.962	448.164	96.536	3.012	448.298	96.534
75%	Vmin	4.477	450.212	97.050	4.548	452.953	97.010	4.547	447.478	97.030	4.457	449.055	97.010	4.470	447.994	97.040
100%	Vmin	5.963	451.507	96.470	6.050	451.970	96.550	6.024	449.367	96.460	5.954	451.840	96.510	5.924	448.220	96.530
10%	Vnom	0.595	650.538	94.870	0.598	647.396	95.090	0.597	652.016	95.020	0.592	650.509	95.130	0.602	651.343	94.950
20%	Vnom	1.212	647.100	96.190	1.194	648.753	96.090	1.207	652.079	95.990	1.186	651.127	96.030	1.215	648.137	96.000
30%	Vnom	1.793	652.655	96.670	1.787	650.569	96.670	1.792	649.854	96.680	1.778	649.893	96.660	1.779	652.807	96.740
50%	Vnom	2.990	650.451	97.170	3.018	649.224	97.170	3.014	649.180	97.120	3.033	647.816	97.150	2.985	649.808	97.190
75%	Vnom	4.442	650.095	97.340	4.552	649.033	97.370	4.443	652.995	97.390	4.556	649.286	97.320	4.477	651.151	97.390
100%	Vnom	5.941	652.706	97.380	6.039	648.863	97.310	6.036	648.904	97.220	5.927	652.506	97.350	6.021	649.256	97.270
10%	Vmax	0.596	777.431	94.590	0.606	779.951	94.550	0.596	781.216	94.420	0.593	778.516	94.420	0.594	778.219	94.620
20%	Vmax	1.193	777.880	95.790	1.195	782.857	95.790	1.207	780.521	95.840	1.191	777.031	95.779	1.208	778.343	95.740
30%	Vmax	1.793	781.160	96.500	1.792	782.558	96.550	1.822	779.028	96.570	1.817	777.745	96.390	1.814	782.630	96.590
50%	Vmax	3.038	779.318	97.230	2.965	777.839	97.190	2.968	780.898	97.310	2.990	782.699	97.310	2.971	778.302	97.240
75%	Vmax	4.533	777.629	97.540	4.466	782.737	97.510	4.542	779.517	97.510	4.484	779.024	97.530	4.535	779.433	97.520
100%	Vmax	6.046	780.997	96.700	5.968	778.206	96.720	6.065	779.511	96.730	6.028	778.464	96.710	5.930	780.206	96.740