Manufacturer: Ningbo Ginlong Technologies Co.,Ltd.

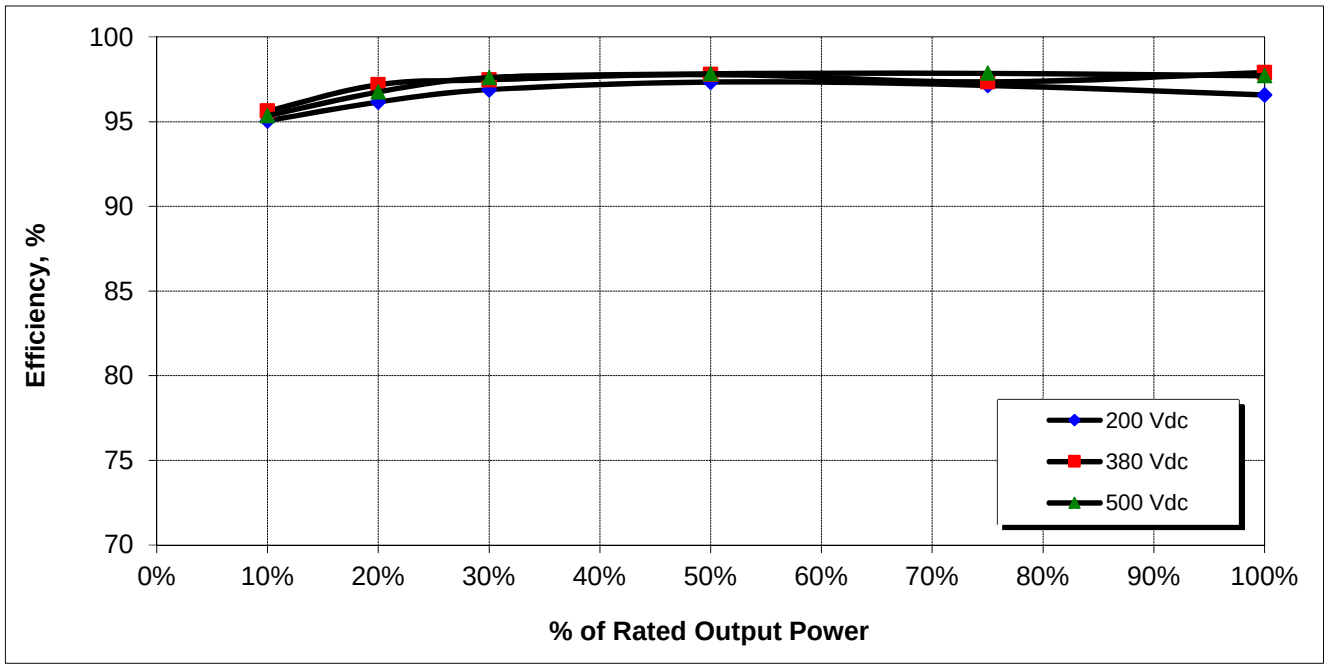
Model #: Solis-1P7.6K-4G-US

Rated Maximum Continuous Output Power: 7.60 kW Night Tare Loss: 7.00 W

Vmin: 200 Vdc Vnom: 380 Vdc Vmax: 500 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.76	1.52	2.28	3.80	5.70	7.60	Wtd
Vmin	200	95.1	96.2	96.9	97.3	97.1	96.6	97.0
Vnom	380	95.6	97.2	97.5	97.8	97.3	97.9	97.4
Vmax	500	95.4	96.8	97.6	97.8	97.9	97.7	97.7

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	760.02	202.46	95.05	760.06	203.09	95.08	760.51	202.21	95.05	760.34	201.05	95.07	761.07	198.23	95.04
20%	Vmin	1521.38	199.32	96.14	1519.29	198.53	96.14	1521.21	199.25	96.15	1521.75	204.90	96.17	1521.80	201.23	96.16
30%	Vmin	2283.08	204.05	96.88	2282.99	201.06	96.90	2281.86	204.35	96.89	2280.21	198.63	96.88	2279.03	203.17	96.87
50%	Vmin	3798.12	200.21	97.35	3801.41	198.49	97.32	3802.60	198.02	97.32	3805.11	200.68	97.37	3799.17	204.03	97.33
75%	Vmin	5703.17	198.34	97.15	5700.74	204.15	97.15	5701.50	199.75	97.16	5697.26	204.34	97.15	5706.81	202.71	97.15
100%	Vmin	7609.36	204.38	96.59	7607.92	203.77	96.57	7608.51	199.73	96.57	7605.79	204.69	96.57	7594.73	200.22	96.57
10%	Vnom	760.14	379.34	95.64	760.10	382.23	95.63	760.41	378.64	95.65	760.63	378.21	95.64	759.66	382.33	95.63
20%	Vnom	1519.75	378.84	97.17	1520.32	380.04	97.18	1518.94	379.68	97.18	1521.82	378.60	97.20	1521.08	382.35	97.19
30%	Vnom	2282.23	379.15	97.45	2281.26	378.91	97.47	2280.51	382.78	97.46	2282.93	381.98	97.48	2278.66	378.66	97.49
50%	Vnom	3801.15	378.99	97.75	3800.80	380.74	97.80	3799.20	378.41	97.81	3805.38	381.78	97.79	3804.85	380.20	97.78
75%	Vnom	5707.26	381.05	97.35	5703.92	379.99	97.34	5706.43	379.57	97.36	5696.22	382.66	97.33	5704.90	382.22	97.35
100%	Vnom	7603.31	381.13	97.87	7606.69	380.05	97.91	7597.11	379.65	97.91	7604.70	382.10	97.90	7607.48	378.06	97.89
10%	Vmax	759.74	504.87	95.37	760.98	498.25	95.34	759.71	503.42	95.38	759.62	500.96	95.36	759.82	502.74	95.35
20%	Vmax	1519.30	500.06	96.76	1520.05	504.00	96.76	1521.63	504.94	96.74	1519.50	502.13	96.76	1519.42	504.10	96.74
30%	Vmax	2280.61	502.49	97.59	2282.77	501.58	97.60	2279.85	502.72	97.58	2280.87	504.18	97.60	2280.56	501.89	97.60
50%	Vmax	3798.58	498.60	97.83	3797.71	498.11	97.84	3805.02	504.49	97.84	3802.43	498.61	97.79	3802.61	499.37	97.84
75%	Vmax	5704.39	503.80	97.87	5696.19	498.57	97.86	5706.49	502.09	97.87	5702.04	504.28	97.85	5700.69	499.97	97.85
100%	Vmax	7597.86	504.91	97.72	7609.13	501.85	97.72	7610.54	498.31	97.71	7610.63	503.98	97.71	7603.65	498.66	97.71

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	759.77	204.02	95.05	759.47	201.45	95.05	760.69	202.52	95.07	760.50	202.82	95.03	760.51	201.14	95.06
20%	Vmin	1520.39	200.21	96.15	1521.69	204.00	96.16	1520.94	200.48	96.18	1522.02	204.50	96.18	1521.88	204.85	96.17
30%	Vmin	2279.59	198.41	96.90	2281.93	203.45	96.90	2279.20	202.74	96.89	2281.62	198.62	96.87	2278.71	200.25	96.88
50%	Vmin	3802.21	203.81	97.32	3804.02	198.91	97.36	3800.13	199.17	97.36	3802.10	204.55	97.35	3804.20	202.21	97.35
75%	Vmin	5700.73	201.00	97.14	5705.66	203.54	97.15	5700.96	201.02	97.13	5705.60	198.21	97.13	5707.52	204.34	97.15
100%	Vmin	7608.02	203.99	96.57	7607.58	201.32	96.57	7607.06	199.29	96.59	7600.24	202.76	96.59	7601.96	203.52	96.59
10%	Vnom	760.72	379.31	95.62	759.51	381.47	95.62	760.35	382.10	95.63	759.63	379.22	95.63	759.73	378.39	95.63
20%	Vnom	1520.50	378.74	97.17	1520.85	382.53	97.20	1520.59	379.03	97.17	1521.37	378.17	97.20	1520.72	379.13	97.17
30%	Vnom	2282.03	379.53	97.47	2279.97	379.52	97.49	2279.89	378.89	97.50	2282.67	382.01	97.50	2278.43	382.03	97.46
50%	Vnom	3799.90	381.41	97.75	3798.63	382.20	97.79	3799.43	380.25	97.77	3803.43	378.34	97.76	3798.28	382.27	97.79
75%	Vnom	5701.19	378.63	97.33	5705.12	380.29	97.37	5698.39	380.87	97.37	5707.55	380.51	97.33	5701.76	380.34	97.36
100%	Vnom	7604.25	381.15	97.88	7605.00	378.99	97.89	7609.80	381.60	97.88	7596.07	380.71	97.89	7598.23	382.49	97.93
10%	Vmax	759.64	502.77	95.34	759.83	503.76	95.38	760.03	504.95	95.36	760.65	499.40	95.34	760.51	503.97	95.36
20%	Vmax	1521.07	504.54	96.77	1519.02	504.07	96.76	1520.57	503.41	96.76	1520.60	499.22	96.74	1521.84	498.65	96.75
30%	Vmax	2280.69	501.07	97.63	2278.56	504.29	97.62	2281.05	498.38	97.62	2281.77	498.83	97.60	2279.39	504.93	97.62
50%	Vmax	3803.71	501.67	97.80	3802.60	498.16	97.82	3804.43	504.36	97.80	3805.07	499.76	97.83	3797.44	503.61	97.85
75%	Vmax	5702.31	500.77	97.85	5700.68	501.79	97.85	5697.06	500.05	97.85	5706.10	499.80	97.85	5705.85	500.74	97.86
100%	Vmax	7601.06	502.04	97.68	7602.77	498.32	97.70	7602.25	499.97	97.71	7604.58	498.56	97.71	7603.89	498.30	97.72