Manufacturer: Ningbo Ginlong Technologies Co.,Ltd.

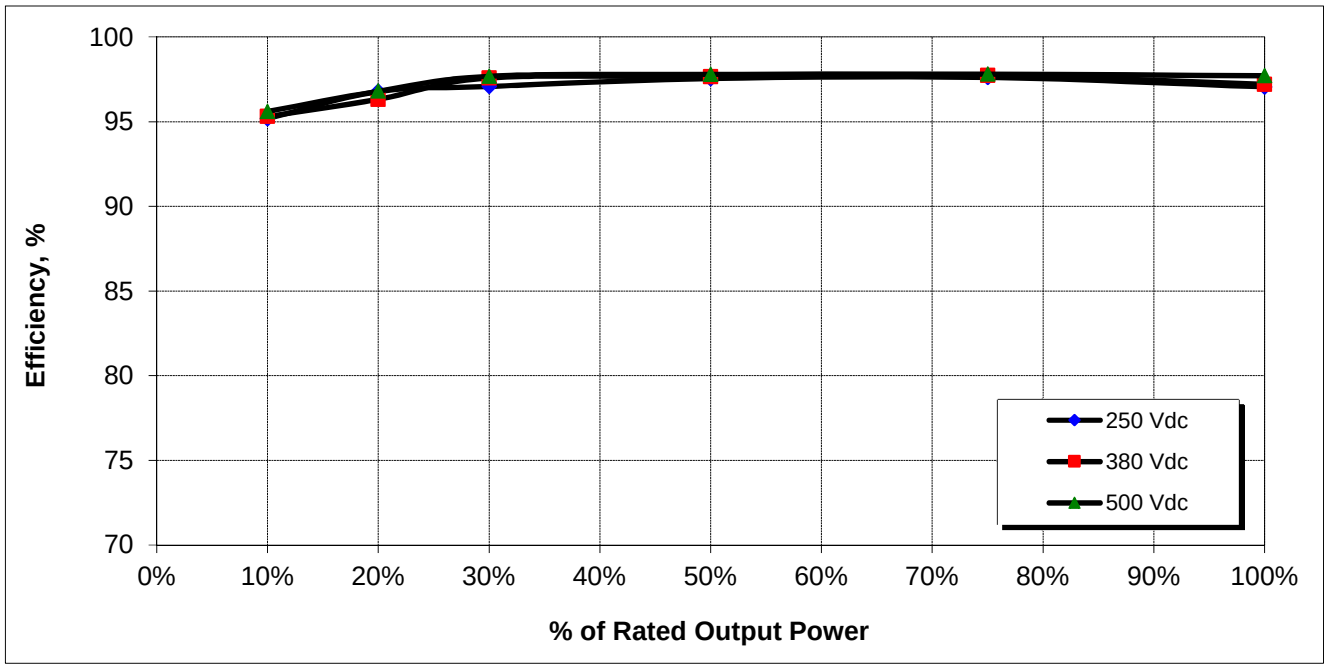
Model #: Solis-1P10K-4G-US

Rated Maximum Continuous Output Power: 10.00 kW Night Tare Loss: 7.00 W

Vmin: 250 Vdc Vnom: 380 Vdc Vmax: 500 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	250	95.2	96.8	97.1	97.5	97.6	97.1	97.4
Vnom	380	95.3	96.3	97.6	97.7	97.7	97.2	97.5
Vmax	500	95.6	96.8	97.7	97.8	97.8	97.7	97.6

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	1000.54	248.13	95.19	999.36	250.63	95.18	1001.09	254.92	95.20	999.46	249.96	95.17	999.93	253.66	95.19
20%	Vmin	2000.74	250.57	96.77	2000.64	251.73	96.80	2002.06	248.88	96.76	1998.60	249.62	96.76	2001.87	245.64	96.79
30%	Vmin	2999.14	248.85	97.07	2998.51	251.02	97.07	3001.77	253.42	97.07	2999.33	253.72	97.09	2999.85	248.32	97.08
50%	Vmin	4998.60	248.18	97.56	5006.25	248.42	97.54	4998.27	249.62	97.54	5000.71	246.55	97.54	5004.62	248.81	97.53
75%	Vmin	7495.90	247.68	97.61	7501.35	249.49	97.59	7508.69	246.48	97.64	7503.27	246.61	97.60	7496.56	251.86	97.61
100%	Vmin	10005.56	248.74	97.06	9995.77	252.45	97.06	9997.64	250.89	97.05	10014.02	247.55	97.06	10013.12	245.09	97.07
10%	Vnom	1001.00	382.61	95.33	1000.57	379.25	95.29	999.37	381.64	95.31	1000.74	382.57	95.32	1000.73	382.16	95.31
20%	Vnom	1999.61	382.39	96.32	2001.41	379.13	96.32	2000.09	381.72	96.33	2000.85	378.16	96.33	2001.98	378.71	96.33
30%	Vnom	3001.30	381.81	97.60	2999.15	380.54	97.60	2998.44	378.51	97.58	2998.13	379.73	97.58	3003.32	380.96	97.56
50%	Vnom	5000.23	382.09	97.66	5002.86	379.41	97.65	4999.59	379.41	97.66	5005.53	382.23	97.67	5001.18	380.64	97.65
75%	Vnom	7501.78	379.06	97.74	7509.99	379.07	97.73	7495.36	379.16	97.70	7498.25	380.96	97.74	7498.66	379.80	97.73
100%	Vnom	10011.21	382.91	97.21	10010.30	378.91	97.20	10005.62	381.03	97.20	9994.22	380.91	97.22	10006.46	381.84	97.20
10%	Vmax	1000.65	502.21	95.60	1000.22	501.58	95.60	1000.52	502.77	95.60	999.86	502.19	95.61	1000.03	498.11	95.61
20%	Vmax	2001.70	499.21	96.79	1998.88	502.96	96.79	1999.81	502.56	96.82	1998.93	501.94	96.81	2001.66	502.52	96.81
30%	Vmax	2999.25	499.09	97.69	3003.06	501.09	97.67	2999.07	500.65	97.69	3002.84	499.86	97.71	3002.89	501.26	97.68
50%	Vmax	5005.13	502.31	97.81	5006.15	504.13	97.80	5003.45	498.50	97.78	5006.89	503.66	97.78	5007.07	501.46	97.80
75%	Vmax	7499.10	500.62	97.80	7495.09	503.25	97.81	7504.63	502.25	97.82	7500.41	500.92	97.81	7504.23	500.74	97.83
100%	Vmax	9999.63	501.27	97.70	9995.94	498.70	97.69	10000.45	498.77	97.72	10001.28	498.50	97.70	9996.16	504.31	97.69

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	1000.63	247.32	95.17	999.85	253.46	95.18	1001.14	250.00	95.18	1000.04	250.80	95.19	1000.53	251.56	95.17
20%	Vmin	1998.71	250.59	96.78	2002.30	252.77	96.78	2000.59	253.29	96.78	1999.98	247.15	96.79	2002.10	252.67	96.78
30%	Vmin	3003.47	248.78	97.06	3000.97	250.62	97.09	3001.33	247.16	97.07	3002.73	246.06	97.10	2999.17	247.55	97.09
50%	Vmin	5006.35	252.68	97.56	4997.59	248.85	97.54	5000.88	246.67	97.57	5005.62	248.62	97.55	5000.73	248.92	97.54
75%	Vmin	7505.57	246.86	97.59	7509.76	248.35	97.61	7501.78	252.15	97.63	7500.53	248.99	97.61	7502.75	251.76	97.61
100%	Vmin	10009.10	248.19	97.06	10004.95	250.76	97.06	9998.03	249.18	97.05	9995.76	248.39	97.06	10000.16	246.37	97.05
10%	Vnom	1000.07	382.43	95.30	1001.01	382.71	95.28	1001.13	380.21	95.30	1000.99	380.29	95.32	999.94	382.93	95.28
20%	Vnom	2001.78	380.30	96.33	1999.23	380.60	96.31	2001.97	381.38	96.31	2002.51	381.45	96.31	2002.65	378.46	96.33
30%	Vnom	3001.82	380.29	97.57	3000.06	380.60	97.60	3001.35	379.31	97.61	3001.29	378.65	97.59	3000.17	382.32	97.55
50%	Vnom	5000.59	382.77	97.67	5006.76	378.56	97.67	5000.36	378.52	97.65	5006.14	380.55	97.66	5003.06	381.96	97.65
75%	Vnom	7497.03	378.10	97.75	7499.65	380.84	97.73	7496.74	380.60	97.73	7496.89	380.88	97.72	7509.52	382.67	97.73
100%	Vnom	10011.25	379.17	97.22	9996.09	382.22	97.20	10009.09	381.50	97.20	9993.30	380.66	97.21	10003.45	380.05	97.20
10%	Vmax	1000.23	504.54	95.61	999.78	499.19	95.58	1001.14	504.76	95.60	1000.94	501.90	95.59	1001.13	504.25	95.59
20%	Vmax	2002.30	500.60	96.78	1999.74	501.91	96.78	2002.09	503.49	96.80	2002.82	503.27	96.78	2000.03	500.06	96.79
30%	Vmax	2998.17	499.78	97.66	2999.26	503.28	97.70	3000.18	500.62	97.66	2999.76	504.94	97.67	2999.79	499.24	97.70
50%	Vmax	5005.91	501.50	97.81	5005.33	502.74	97.78	5002.51	504.35	97.78	5002.96	504.44	97.80	4998.20	498.28	97.79
75%	Vmax	7503.81	501.53	97.82	7509.44	503.42	97.81	7510.69	501.68	97.79	7500.31	499.95	97.80	7494.81	499.04	97.80
100%	Vmax	10003.18	502.62	97.73	10008.75	500.16	97.73	9998.14	504.87	97.71	9999.72	498.00	97.72	10001.86	500.31	97.70