



Product Service

CERTIFICATE

No. B 17 04 86470 019

Holder of Certificate: Ningbo Ginlong Technologies Co., Ltd.

No.57 Jintong Road
 Binhai Industrial Park, Xiangshan
 315712 Ningbo, Zhejiang
 PEOPLE'S REPUBLIC OF CHINA



Certification Mark:



Product:

**Converter
 Grid-Tied Inverter**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 704091623704-00

Valid until: 2022-03-31

Date, 2017-04-06
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Zhengdong Ma
 (Zhengdong Ma)





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Model(s):

Solis-1P5K-4G, Solis-1P4.6K-4G, Solis-1P4K-4G,
 Solis-1P3.6K-4G, Solis-1P3K-4G, Solis-1P2.5K-4G,
 Solis-1P2K-4G, Solis-1P1.5K-4G, Solis-1P1K-4G,
 URE-1P5K-4G, URE-1P4.6K-4G, URE-1P4K-4G,
 URE-1P3.6K-4G, URE-1P3K-4G, URE-1P2.5K-4G,
 URE-1P2K-4G, URE-1P1.5K-4G, URE-1P1K-4G,
 GCI-1P5K-4G, GCI-1P4.6K-4G, GCI-1P4K-4G,
 GCI-1P3.6K-4G, GCI-1P3K-4G, GCI-1P2.5K-4G,
 GCI-1P2K-4G, GCI-1P1.5K-4G, GCI-1P1K-4G,
 Mate-5K-4G, Mate-4.6K-4G, Mate-4K-4G,
 Mate-3.6K-4G, Mate-3K-4G, Mate-2.5K-4G,
 Mate-2K-4G, Mate-1.5K-4G, Mate-1K-4G,
 Solis-1P3K-4G-ST, URE-1P3K-4G-ST,
 GCI-1P3K-4G-ST, Mate-3K-4G-ST.

Parameters:

Max. input voltage:	see attachment
MPP voltage range:	See attachment
Max. input current:	See attachment
Isc PV (absolute maximum):	See attachment
Rated grid voltage:	a.c. 230/240V
Rated grid frequency:	50/60Hz
Max. AC output active power:	See attachment
Max. AC output apparent power:	See attachment
Max. continuous output current:	See attachment
Adjustable cos(φ):	0.8...1...0.8
Protection class:	I
Degree of protection:	IP65
Overvoltage category:	III(MAINS), II(PV)
Ambient temperature:	-25 ... +60°C

Other ratings refer to attachment.

Tested according to:

IEC 62109-1(ed.1)
 IEC 62109-2(ed.1)
 EN 62109-1:2010
 EN 62109-2:2011

Production Facility(ies):

86470

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Electrical ratings for various models:

Models	Solis-1P1K-4G GCI-1P1K-4G Mate-1K-4G URE-1P1K-4G	Solis-1P1.5K-4G GCI-1P1.5K-4G Mate-1.5K-4G URE-1P1.5K-4G	Solis-1P2K-4G GCI-1P2K-4G Mate-2K-4G URE-1P2K-4G	Solis-1P2.5K-4G GCI-1P2.5K-4G Mate-2.5K-4G URE-1P2.5K-4G
PV input ratings:				
Max. input voltage:	d.c. 550 V			
MPP voltage range:	d.c. 50 – 450V			
Max. input current:	d.c. 11A			
Isc PV (absolute maximum):	d.c. 17.2A			
AC output:				
Rated grid voltage:	a.c. 230/240V			
Rated grid frequency:	50/60Hz			
Max. AC output active power:	1100W	1700W	2200W	2800W
Max. AC output apparent power:	1100VA	1700VA	2200VA	2800VA
Max. Continuous output current:	a.c. 5.2A	a.c. 8.1A	a.c. 10.5A	a.c. 13.3A

Models	Solis-1P3K-4G GCI-1P3K-4G Mate-3K-4G URE-1P3K-4G	Solis-1P3.6K-4G GCI-1P3.6K-4G Mate-3.6K-4G URE-1P3.6K-4G	Solis-1P4K-4G GCI-1P4K-4G Mate-4K-4G URE-1P4K-4G	Solis-1P4.6K-4G GCI-1P4.6K-4G Mate-4.6K-4G URE-1P4.6K-4G	Solis-1P5K-4G GCI-1P5K-4G Mate-5K-4G URE-1P5K-4G
PV input ratings:					
Max. input voltage:	d.c. 600 V				
MPP voltage range:	d.c. 100 – 500V				
Max. input current:	d.c. 2x11A				
Isc PV (absolute maximum):	d.c. 2x17.2A				
AC output:					
Rated grid voltage:	a.c. 230/240V				
Rated grid frequency:	50/60Hz				
Max. AC output active power:	3300W	4000W	4400W	4600W	5000W
Max. AC output apparent power:	3300VA	4000VA	4400VA	4600VA	5000VA
Max. Continuous output current:	a.c. 15.7A	a.c. 16A	a.c. 21A	a.c. 25A	a.c. 25A

Models	Solis-1P3K-4G-ST, GCI-1P3K-4G-ST, Mate-3K-4G-ST, URE-1P3K-4G-ST
PV input ratings:	
Max. input voltage:	d.c. 600 V
MPP voltage range:	d.c. 100 – 500V
Max. input current:	d.c. 11A
Isc PV (absolute maximum):	d.c. 17.2A
AC output:	
Rated grid voltage:	a.c. 230/240V
Rated grid frequency:	50/60Hz
Max. AC output active power:	3300W
Max. AC output apparent power:	3300VA
Max. Continuous output current:	a.c. 15.7A

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