

Certificate of Conformity (COC)



Certificate Holder : Ningbo Deye Inverter Technology Co., Ltd.
No. 26 South Yongjiang Road, Daqi, Beilun, Ningbo, China

Date of Original Issue : 2025-09-05

Date of Last Revision : --

Date of Expiry : 2028-09-04

Certificate Number : PCS-25-1173

Product : Photovoltaic Grid-connected Microinverter

Ratings : See appendix on page 2 to page 4

Brand/Trademark : 

Model(s) : See appendix on page 2 to Page 4

Test Laboratory : SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Testing Report : GZES250701491201 and GZES250701491202

Test Standard : IEC 61683:1999, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009
and IEC 60068-2-30:2005

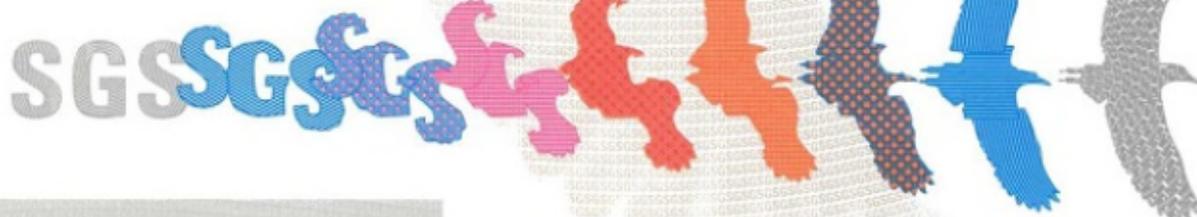


This is to certify that the product has been tested and was found to comply with the requirements of the standard(s).
The above-mentioned product is certified according to the requirements of ISO/IEC 17065:2012.

Christopher Hee
Certification Officer



SGS Testing & Control Services Singapore Pte Ltd
30 Boon Lay Way #03-01 Singapore 609957

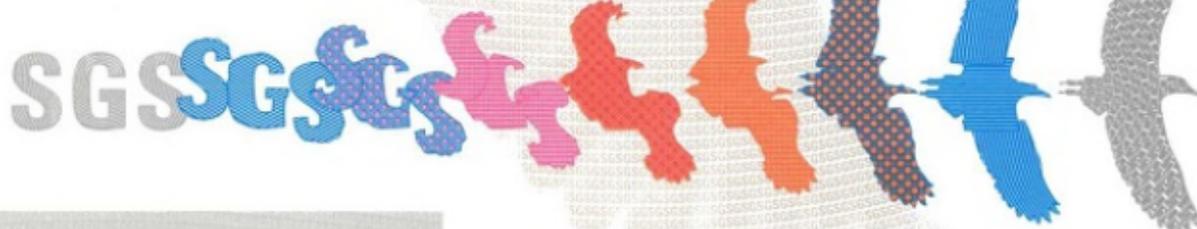


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Product Model	SUN-M30G4- EU-Q0	SUN-M35G4- EU-Q0	SUN-M40G4- EU-Q0	SUN-M45G4- EU-Q0	SUN-M50G4- EU-Q0
PV Input					
Max. PV Input Voltage (V)	60				
Start-up Voltage (V)	20				
MPPT Voltage Range (V)	25-55				
Rated PV Input Voltage (V)	42.5				
Full Load MPPT Voltage Range (V)	30-55	33-55	33-55	40-55	40-55
Max. Input Short Circuit Current (A)	19.5				
Max. Operating PV Input Current (A)	13.0				
No. of MPP Trackers/ No. of Strings per MPP Tracker	1/1				
AC Output					
Rated AC Output Active Power (W)	300	350	400	450	500
Max.AC Output Apparent Power (VA)	300	350	400	450	500
Rated AC Output Current (A)	1.4	1.6	1.8	2.0	2.2
Max.AC Output Current (A)	1.4	1.6	1.8	2.0	2.2
Rated Output Voltage (V)	L/N/PE, 230				
Rated Output Frequency (Hz)	50				
Power Factor Adjustment Range	0.9 leading to 0.9 lagging				
General Data					
Operating Temperature Range	-40°C to +65°C, > 45°C derating				
Ingress Protection (IP) Rating	IP67				
Type Of Cooling	Natural cooling				
Protection Level	Class I				



Product Model	SUN-M30G4- EU-Q0-P	SUN-M35G4- EU-Q0-P	SUN-M40G4- EU-Q0-P	SUN-M45G4- EU-Q0-P	SUN-M50G4- EU-Q0-P
PV Input					
Max. PV Input Voltage (V)	60				
Start-up Voltage (V)	20				
MPPT Voltage Range (V)	25-55				
Rated PV Input Voltage (V)	42.5				
Full Load MPPT Voltage Range (V)	30-55	33-55	33-55	40-55	40-55
Max. Input Short Circuit Current (A)	27.0				
Max. Operating PV Input Current (A)	18.0				
No. of MPP Trackers/ No. of Strings per MPP Tracker	1/1				
AC Output					
Rated AC Output Active Power (W)	300	350	400	450	500
Max.AC Output Apparent Power (VA)	300	350	400	450	500
Rated AC Output Current (A)	1.4	1.6	1.8	2.0	2.2
Max.AC Output Current (A)	1.4	1.6	1.8	2.0	2.2
Rated Output Voltage (V)	L/N/PE, 230				
Rated Output Frequency (Hz)	50				
Power Factor Adjustment Range	0.9 leading to 0.9 lagging				
General Data					
Operating Temperature Range	-40°C to +65°C, > 45°C derating				
Ingress Protection (IP) Rating	IP67				
Type Of Cooling	Natural cooling				
Protection Level	Class I				



Product Model	SUN-M30G4- EU-Q0-I	SUN-M35G4- EU-Q0-I	SUN-M40G4- EU-Q0-I	SUN-M45G4- EU-Q0-I	SUN-M50G4- EU-Q0-I
PV Input					
Max. PV Input Voltage (V)	60				
Start-up Voltage (V)	20				
MPPT Voltage Range (V)	25-55				
Rated PV Input Voltage (V)	42.5				
Full Load MPPT Voltage Range (V)	30-55	31.5-55	33-55	35-55	37.5-55
Max. Input Short Circuit Current (A)	22.5				
Max. Operating PV Input Current (A)	15.0				
No. of MPP Trackers/ No. of Strings per MPP Tracker	1/1				
AC Output					
Rated AC Output Active Power (W)	300	350	400	450	500
Max.AC Output Apparent Power (VA)	300	350	400	450	500
Rated AC Output Current (A)	1.4	1.6	1.8	2.0	2.2
Max.AC Output Current (A)	1.4	1.6	1.8	2.0	2.2
Rated Output Voltage (V)	L/N/PE, 230				
Rated Output Frequency (Hz)	50				
Power Factor Adjustment Range	0.9 leading to 0.9 lagging				
General Data					
Operating Temperature Range	-40°C to +65°C, > 45°C derating				
Ingress Protection (IP) Rating	IP67				
Type Of Cooling	Natural cooling				
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