

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 : 2025-01-18

Date of Last Revision : 2025-07-14

Date of Expiry : 2028-01-17

Certificate Number : PCS-25-1013/M1

Product : Hybrid Inverter

Ratings : See appendix on page 2

Brand/Trademark : 

Model : SUN-60K-SG02HP3-EU-EM6, SUN-70K-SG02HP3-EU-EM6, SUN-75K-SG02HP3-EU-EM6,
SUN-80K-SG02HP3-EU-EM6

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

Testing Report(s) : GZES241202253001 Amendment 01, GZES241202253002 Amendment 01,
GZES241202253003 Amendment 01 and GZES241202253004 Amendment 01

Test Standard(s) : IEC 61727:2004, IEC 62116:2014, 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.

This certificate superseded the certificate number PCS-25-1013 dated 2025-01-18 due to include new variant model:
SUN-70K-SG02HP3-EU-EM6 and update software version. For further details, please refer to test reports.

Christopher Hee
Certification Officer

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



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APPENDIX

Certificate Number: PCS-25-1013/M1

Model	SUN-60K-SG02HP3-EU-EM6	SUN-70K-SG02HP3-EU-EM6	SUN-75K-SG02HP3-EU-EM6	SUN-80K-SG02HP3-EU-EM6
PV Input Date				
Max. Input Voltage(V)	1000			
Start-up Operating Voltage(V)	180			
Rated Input Voltage(V)	650			
Full Power MPPT Voltage Range(V)	365~850	425~850	455~850	485~850
Max. Input Current(A)	36+36+36+36+36+36			
Max. Short Current(A)	54+54+54+54+54+54			
No. of MPP Trackers/No. of Strings MPP Tracker	6/2+2+2+2+2+2			
Battery Input Date				
Battery Type	Lithium-ion			
Battery Voltage Range(V)	160~1000			
Max. Charging Current(A)	80+80	80+80	80+80	80+80
Max. Discharging Current(A)	80+80	80+80	80+80	80+80
AC Input/Output Date				
Nominal Input/Output Voltage(V)	230/400			
Nominal Input/Output Grid Frequency(Hz)	50			
Rated AC Input/Output Power(kW)	60.0	70.0	75.0	80.0
Max. AC Input/Output Apparent Power(kVA)	66.0	77.0	82.5	88.0
Rated AC Input/Output Current(A)	87.0	101.5	108.7	116.0
Max. AC Input/Output Current(A)	95.7	111.6	119.6	127.6
Output Power Factor	0.8 leading to 0.8 lagging			
General Data				
Operating Temperature Range	-40 °C ~ +60 °C (Above 45 °C Derating)			
Protection Degree	IP65			
Protective Class	Class I			
Cooling Method	Smart cooling			
Topology	Non-Isolated			

