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	:	2024-11-19
Date of Last Revision	:	--
Date of Expiry	:	2027-11-18
Certificate Number	:	PCS-24-1168
Product	:	Hybrid Inverter
Ratings	:	See appendix on page 2
Brand/Trademark	:	Deye
Model(s)	:	See appendix on page 2
Test Laboratory	:	SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch
Testing Report	:	GZES230400660001 Amendment 01, GZES230400660002 Amendment 01, GZES230400660003 Amendment 01 and GZES230400660004 Amendment 01
Test Standard	:	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.

Christopher Hee
Certification Officer

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

Accredited Certification Body
SAC
PD-2016-15

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APPENDIX

Certificate Number: PCS-24-1168

Model	SUN-14K-SG05LP3-EU-SM2	SUN-15K-SG05LP3-EU-SM2	SUN-16K-SG05LP3-EU-SM2	SUN-18K-SG05LP3-EU-SM2	SUN-20K-SG05LP3-EU-SM2
PV Input					
Max. input voltage(V)	800				
Start-up operating voltage(V)	160				
Rated input voltage(V)	550				
MPPT Voltage Rang(V)	160~650				
Full power MPPT voltage range(V)	310~650	330~650	350~650	400~650	440~650
Max. input current(A)	36+36				
Max. short current(A)	54+54				
Battery Input					
Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range(V)	40~60				
Max. Charging/ Discharging Current(A)	260	280	300	330	350
AC Output					
Nominal grid voltage(V)	230/400 3L+N+PE				
Nominal grid frequency (Hz)	50/60				
Rated AC power(W)	14000	15000	16000	18000	20000
Max. AC Apparent power(kVA)	15400	16500	17600	19800	22000
Rated AC current(A)	20.3	21.8	23.2	26.1	29.0
Max. AC current(A)	22.4	24.0	25.6	28.7	31.9
Output power factor	0.8 leading to 0.8 lagging				
General Data					
Operating temperature range	-40 ºC ~ +60 ºC (Above 45 ºC Derating)				
Protection degree	IP65				
Protective class	Class I				
Cooling method	Intelligent Air cooling				
Topology	Non-Isolated				

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