

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 : 2025-02-26

Date of Last Revision : --

Date of Expiry : 2028-02-25

Certificate Number : PCS-25-1035

Product : Bidirectional Converter (Single phase)

Ratings : See appendix on page 2 and 3

Brand/Trademark : 

Model : SUN-3K-SG04LP1-24-EU, SUN-3K-SG04LP1-EU, SUN-3.6K-SG04LP1-EU,
SUN-5K-SG04LP1-EU, SUN-6K-SG04LP1-EU, SUN-3K-SG04LP1-24-EU-SM1,
SUN-3K-SG04LP1-EU-SM1, SUN-3.6K-SG04LP1-EU-SM2, SUN-5K-SG04LP1-EU-SM2,
SUN-6K-SG04LP1-EU-SM2

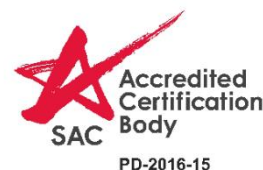
Test Laboratory : SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Testing Report : GZES230901617201 Amendment 02, GZES230901617202 Amendment 02,
GZES230901617203 Amendment 02 and GZES230901617204 Amendment 02

Test Standard : IEC 62116:2014; IEC 61727:2004; 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-3K-SG04LP1-24-EU	SUN-3K-SG04LP1-EU	SUN-3.6K-SG04LP1-EU	SUN-5K-SG04LP1-EU	SUN-6K-SG04LP1-EU
Input (DC)					
Max.DC Input Power (W)	4800		5760	8000	9600
Max.DC Voltage (V)			500		
Start-up input voltage (V)			125		
Rated input voltage (V)			370		
MPPT Voltage Range (V)			150 ~ 425		
Full load DC voltage range (V)			300 ~ 425		
Max. input current per MPPT (A)	18		18 +18	18 +18	18 +18
Max. short current (A)	27		27+27	27+27	27+27
Battery Input (DC)					
Battery Type	Lead-acid or Li-Ion				
Battery Voltage Range(V)	20-30		40-60		
Max. Charging Current(A)	140	70	90	120	135
Max. Discharging Current(A)	140	70	90	120	135
Output (AC)					
Max AC Output power (W)	3300		3960	5500	6600
Rated AC Output and UPS power (W)	3000		3600	5000	6000
Max AC Output Current (A)	14.3		17.2	23.9	28.7
Rated AC Output Current (A)	13.0		15.7	21.7	26.1
Nominal Grid Voltage (V)			230		
Nominal Frequency (Hz)			50		
Power factor			> 0.99 (adjustable +/-0.8)		
Topology			Transformerless		
Operating temperature range			-40 ~ 60 °C (derating at +45 °C)		
Degree of protection			IP65		



Product Model	SUN-3K-SG04LP1-24-EU-SM1	SUN-3K-SG04LP1-EU-SM1	SUN-3.6K-SG04LP1-EU-SM2	SUN-5K-SG04LP1-EU-SM2	SUN-6K-SG04LP1-EU-SM2
Input (DC)					
Max.DC Input Power (W)	4800		5760	8000	9600
Max.DC Voltage (V)	500				
Start-up input voltage (V)	125				
Rated input voltage (V)	370				
MPPT Voltage Range (V)	150 ~ 425				
Full load DC voltage range (V)	300 ~ 425				
Max. input current per MPPT (A)	18	18 +18	18 +18	18 +18	
Max. short current (A)	27	27+27	27+27	27+27	
Battery Input (DC)					
Battery Type	Lead-acid or Li-Ion				
Battery Voltage Range(V)	20-30	40-60			
Max. Charging Current(A)	140	70	90	120	135
Max. Discharging Current(A)	140	70	90	120	135
Output (AC)					
Max AC Output power (W)	3300	3960	5500	6600	
Rated AC Output and UPS power (W)	3000	3600	5000	6000	
Max AC Output Current (A)	14.4	17.3	24.0	28.7	
Rated AC Output Current (A)	13.1	15.7	21.8	26.1	
Nominal Grid Voltage (V)	230				
Nominal Frequency (Hz)	50				
Power factor	> 0.99 (adjustable +/-0.8)				
Topology	Transformerless				
Operating temperature range	-40 ~ 60 °C (derating at +45 °C)				
Degree of protection	IP65				



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