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 : Deve

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

Accredited Certification Body





APPENDIX

Certificate Number: PCS-25-1035

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)		101111111111111111111111111111111111111						
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-lon							
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							







APPENDIX

Certificate Number: PCS-25-1035

	SUN-3K- SUN-3K- SUN-3.6K- SUN-5K- SUN-6K-							
Product Model	SG04LP1-24-	SG04LP1-EU-	SG04LP1-EU-	SG04LP1-EU-	SG04LP1-			
	EU-SM1	SM1	SM2	SM2	EU-SM2			
Input (DC)	LO CIVIT	CIVIT	Janes Civil San	OIVIZ	LO OIVIL			
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-lon							
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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