

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 : 2024-08-27

Date of Last Revision : --

Date of Expiry : 2027-08-26

Certificate Number : PCS-24-1125

Product : Hybrid Inverter

Ratings : See appendix on page 2 and page 3

Brand/Trademark : **Deye**

Model(s) : See appendix on page 2 and page 3

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

Testing Report : SUEE240800009351

Test Standard : IEC 62116: 2014



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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Model	SUN-3.6K-SG01LP1-EU	SUN-5K-SG01LP1-EU	SUN-6K-SG01LP1-EU	SUN-7.6K-SG01LP1-EU	SUN-8K-SG01LP1-EU
PV Input					
Max. DC Input Power (W)	4680	6500	7800	9880	10400
PV Input Voltage (V)	370 (125-500)				
MPPT Voltage Range (V)	150-425				
Full Load DC Voltage Range (V)	150-425	300-425	200-425		
Start-up Voltage (V)	125				
PV Input Current (A)	13+13		13+26	26+26	
No. of MPPTs	2				
No. of Strings per MPP Trackers	1+1		2+1	2+2	
Battery Input					
Battery Type	Lead-acid or Li-Ion				
Battery Voltage (V)	40-60				
Max. Charging Current (A)	90	120	135	190	190
Max. Discharging Current (A)	90	120	135	190	190
AC Output					
Rated AC Output Active Power (W)	3600	5000	6000	7600	8000
Max.AC Output Active Power (W)	3960	5500	6600	8360	8800
Rated AC Output Current (A)	15.7	21.7	26.1	33.0	34.8
Max.AC Output Current (A)	17.2	23.9	28.7	36.3	38.3
Rated Output Voltage (V)	230				
Grid Connection Form	L/N/PE				
Rated Output Grid Frequency (Hz)	50				
Power Factor Adjustment Range	0.8 leading to 0.8 lagging				
General Data					
Operating Temperature Range	-40 °C to + 60 °C, > 45 °C Derating				
Topology	Transformerless				
Ingress Protection	IP65				
Protective Class	Class I				
Cooling Method	Smart cooling				



Model	SUN-3.6K-SG01LP1-EU-B	SUN-5K-SG01LP1-EU-B	SUN-6K-SG01LP1-EU-B	SUN-7.6K-SG01LP1-EU-B	SUN-8K-SG01LP1-EU-B
PV Input					
Max. DC Input Power (W)	4680	6500	7800	9880	10400
PV Input Voltage (V)	370 (125-500)				
MPPT Voltage Range (V)	150-425				
Full Load DC Voltage Range (V)	300-425			200-425	
Start-up Voltage (V)	125				
PV Input Current (A)	13+13		13+26	26+26	
No. of MPPTs	2				
No. of Strings per MPP Trackers	1+1		2+1	2+2	
Battery Input					
Battery Type	Lead-acid or Li-Ion				
Battery Voltage (V)	40-60				
Max. Charging Current (A)	90	120	135	190	190
Max. Discharging Current (A)	90	120	135	190	190
AC Output					
Rated AC Output Active Power (W)	3600	5000	6000	7600	8000
Max.AC Output Active Power (W)	3960	5500	6600	8360	8800
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Max.AC Output Current (A)	17.2	23.9	28.7	36.3	38.3
Rated Output Voltage (V)	230				
Grid Connection Form	L/N/PE				
Rated Output Grid Frequency (Hz)	50				
Power Factor Adjustment Range	0.8 leading to 0.8 lagging				
General Data					
Operating Temperature Range	-40 °C to + 60 °C, > 45 °C Derating				
Topology	Transformerless				
Ingress Protection	IP20				
Protective Class	Class I				
Cooling Method	Intelligent Air Cooling				

