

Certificate of Conformity

Certificate Number: CN-PVES-260092

On the basis of the tests undertaken, the sample<s> of the below product have been found to comply with the requirements of the referenced specification<s>/standard<s> at the time the tests were carried out. It does not imply that Intertek has performed any surveillance or control of the manufacture(s). The manufacturer(s) shall ensure that the manufacturing process assures compliance of the production units with the examined products mentioned in this certificate.

Applicant:	NingBo Deye Inverter Technology Co., Ltd. No. 26 South Yongjiang Road, Daqi, Beilun, NingBo, China
Product:	Energy storage system
Ratings & Principle Characteristics:	See appendix of Certificate of Conformity
Model:	SUN-100K-PCS01HP3-B, SUN-125K-PCS01HP3-B, SUN-100K-PCS01HP3-B+ SUN-MPPT-L01-EU-AM8, SUN-125K-PCS01HP3-B+ SUN-MPPT-L01-EU-AM8, SUN-100K-PCS01HP3-B+ SUN-ST500L, SUN-125K-PCS01HP3-B+ SUN-ST500L, SUN-100K-PCS01HP3-B+ SUN-MPPT-L01-EU-AM8+ SUN-ST500L, SUN-125K-PCS01HP3-B+ SUN-MPPT-L01-EU-AM8+ SUN-ST500L
Brand Name<s>:	Deye
Product Complies with:	IEC 61727:2004 IEC 62116:2014
Certificate Issuing Office Name & Address:	Intertek Testing Services Ltd. Shanghai West Area, 2 nd Floor, No. 707, Zhangyang Road China (Shanghai) Pilot Free Trade Zone, Shanghai, P. R. China Accredited by ACCREDIA in accordance with ISO/IEC 17065:2012
Test Report No.<s>:	2603B1804SHA-001

Additional information in Appendix.

Signature



Certification Manager: Qiao Qiao

Date: 30 March 2026



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APPENDIX: Certificate of Conformity

This is an Appendix to Certificate of Conformity Number: CN-PVES-260092

Ratings & Principle Characteristics:

PCS Model	SUN-100K-PCS01HP3-B	SUN-125K-PCS01HP3-B
Battery Data		
Battery Type	Lithium-ion	
Battery Voltage Range(V)	630-1000	
Max. Charging Current(A)	175	200
Max. Discharging Current(A)	175	200
Number of Battery Input	1	
AC Input/Output Data		
Rated AC Input/Output Active Power(W)	100000	125000
Max. AC Input/Output Apparent Power(VA)	110000	125000
Rated AC Input/Output Current(A)	151.6/145	189.4/181.2
Max. AC Input/Output Current(A)	166.7/159.5	189.4/181.2
Rated Input/Output Voltage(V)	220/380V, 230/400V	
Grid Connection Form	3L+N+PE	
Rated Input/Output Grid Frequency(HZ)	50HZ,60HZ	
Power Factor Adjustment Range	-1 to +1	
General Parameters		
Operating Temperature Range	-40℃ to +60℃, >45℃ Derating	
Permissible Altitude	4000m	
Ingress Protection(IP) Rating	IP 20	
Inverter Topology	Non-Isolated	
Over Voltage Category	OVC II(DC), OVC III(AC)	
Cabinet size(W*H*D) [mm]	543W×310H×775D (Excluding connectors and brackets)	

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MPPT Model	SUN-MPPT-L01-EU-AM8
PV String Input Data	
Max. PV Input Power(kW)	200
Max. PV Input Voltage(V)	800
Start-up Voltage(V)	200
MPPT voltage range(V)	180-750
Full Load MPPT Voltage Range(V)	450-750
Rated PV Input voltage(V)	600
Max. Input Short Circuit Current (A)	60+60+60+60+60+60+60+60
Max. Operating PV Input Current(A)	40+40+40+40+40+40+40+40
No. of MPP Trackers	8
Equipment Protection	
DC input reverse protection	YES
DC Switch	YES
Surge Protection Level	TYPE II
General Parameters	
Operating Temperature Range	-40°C to 60°C
Permissible Altitude	4000m
Ingress Protection(IP) Rating	IP65
Over Voltage Category	OVC II
Cabinet size(W*H*D) [mm]	543×198×700
Weight [kg]	41.75

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STS Module	SUN-STS500L
Grid/PCS Side Data	
Rated AC Input/Output Active Power(kW)	500
Rated AC Input/Output Current(A)	758/725
Rated Input/Output Voltage(V)	220/380, 230/400
Grid Connection Form	3L/N/PE
Rated Input/Output Grid Frequency	50Hz/60Hz
Load Side Data	
Rated Output Active Power(kW)	500
Rated Output Current(A)	758/725
Rated Output Voltage(V)	220/380, 230/400
Grid Connection Form	3L/N/PE
Rated Output Grid Frequency	50Hz/60Hz
GEN Side Data	
Rated AC Input Active Power(kW)	500
Rated AC Input Current(A)	758/725
Rated Input Voltage(V)	220/380, 230/400
Grid Connection Form	3L/N/PE
Rated Input Grid Frequency	50Hz/60Hz
General Data	
Off grid switching time	< 10ms
Operating Temperature Range	-25°C to 60°C
Permissible Ambient Humidity	0-95%
Permissible Altitude	4000m
Ingress Protection(IP) Rating	IP20
Over Voltage category	OVC III
Cabinet size (W*H*D) [mm]	543×575×671
Weight[kg]	108

Product Model:	SUN-100K-PCS01HP3-B /SUN-125K-PCS01HP3-B	SUN-100K-PCS01HP3-B /SUN-125K-PCS01HP3-B+ SUN-MPPT-L01-EU-AM8	SUN-100K-PCS01HP3-B /SUN-125K-PCS01HP3-B+ SUN-STS500L	SUN-100K-PCS01HP3-B /SUN-125K-PCS01HP3-B+ SUN-MPPT-L01-EU-AM8+ SUN-STS500L
Firmware:	6011-1108	6011-1108-M	6011-1108-S	6011-1108-MS

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