COMPLIANCE

VERIFICATION OF COMPLIANCE

No.:	LVD GZES2502003249PV
Applicant:	Ningbo Deye Inverter Technology Co., Ltd. No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China
Manufacturer:	Ningbo Deye Inverter Technology Co., Ltd. No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China
Product Name:	All-in-one Balcony Energy Storage System
Product Description:	Energy Storage System
Model No.:	AE-FS1.0-1H2, AE-FS1.0-1H7, AE-FS2.0-2H2, AE-FS2.0-2H7, AE-FS2.0-2H8, AE-FS2.0-2H9, SUN-BK100-2.0KWH-EU-AM2, SUN-BK100-2.0KWH-AA-AM2, SUN-BK100-2.0KWH-SA-AM2, SUN-BK60-2.0KWH-EU-AM2, SUN-BK60-2.0KWH-AA-AM2, SUN-BK60-2.0KWH-SA-AM2, SUN-BK80-2.0KWH-EU-AM2, SUN-BK80-2.0KWH-AA-AM2, SUN-BK80-2.0KWH-SA-AM2, SUN-BK100-1.0KWH-EU-AM2, SUN-BK100-1.0KWH-AA-AM2, SUN-BK100-1.0KWH-SA-AM2, SUN-BK80-1.0KWH-EU-AM2, SUN-BK80-1.0KWH-AA-AM2, SUN-BK80-1.0KWH-SA-AM2, SUN-BK60-1.0KWH-EU-AM2, SUN-BK60-1.0KWH-AA-AM2, SUN-BK60-1.0KWH-SA-AM2
Trade Mark:	Deye
Rating:	See Page 2-3
Protection against Electric Shock:	Class I
Degree of Protection:	IP65
Additional Information:	This verification replaces LVD GZES2409018413PV.

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard:	EN 62109-1:2010 EN 62109-2:2011
as shown in the Test Report Number(s):	GZES240901841301 Amendment 01 GZES240901841302 Amendment 01

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.

David Guo
Technical Manager
SGS-CSTC Standards Technical Services Co., Ltd.

2025-03-14

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COMPLIANCE

No.: LVD GZES2502003249PV

Other information added:

Rating:

Model	AE-FS1.0-1H2	AE-FS2.0-2H2
	AE-FS1.0-1H7	AE-FS2.0-2H7
	SUN-BK100-1.0KWH-EU-AM2	AE-FS2.0-2H8
		AE-FS2.0-2H9
	SUN-BK100-1.0KWH-AA-AM2	SUN-BK100-2.0KWH-EU-AM2
	SUN-BK100-1.0KWH-SA-AM2	SUN-BK100-2.0KWH-AA-AM2
		SUN-BK100-2.0KWH-SA-AM2
Battery Parameters		
Battery Chemistry	LFP	
Nominal Energy	1000 Wh	2000 Wh
Rated Capacity	20 Ah	40 Ah
Nominal Voltage	51.2 V	
Operating Voltage Range	44.8 V to 57.6 V	
AC Grid Parameters		
Rated Power	1000 W	
Grid type	L+N+PE	
Rated voltage	220/230 Vac	
Rated Frequency	50/60 Hz	
Rated Grid Input/Output Current	4.6 A/4.4 A	
Power factor	0.8 leading to 0.8 lagging	
PV Parameters		
Max. PV Input Current	18 A+18 A	
Max. PV Isc	27 A+27 A	
Max. PV Input Voltage	60 V	
Rated PV Input Voltage	42.5 V	
Start Up DC Voltage	25 V	
MPPT Voltage Range	20 V to 55 V	
Number of MPPT	2	
General Parameters		
Operating Temperature Range	-10°C to +50°C (>45°C derating)	
Max. Operating Altitude	2000 m	
Relative Humidity	0 to 95%RH	
IP Rating	IP65	
Protective class	Class I	
Dimensions (W*D*H)	450x210x321 mm	
Weight	20 kg	26 kg

SGS-CSTC STANDARDS TECHNICAL SERVICES CO.,LTD. GUANGZHOU BRANCH E&E LAB 电子电气实验室

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Model	SUN-BK80-2.0KWH-EU-AM2 SUN-BK80-2.0KWH-AA-AM2 SUN-BK80-2.0KWH-SA-AM2	SUN-BK80-1.0KWH-EU-AM2 SUN-BK80-1.0KWH-AA-AM2 SUN-BK80-1.0KWH-SA-AM2
Battery Parameters		
Battery Chemistry	LFP	
Nominal Energy	2000 Wh	1000 Wh
Rated Capacity	40 Ah	20 Ah
Nominal Voltage	51.2 V	
Operating Voltage Range	44.8 V to 57.6 V	
AC Grid Parameters		
Rated Power	800 W	
Grid type	L+N+PE	
Rated voltage	220/230 Vac	
Rated Frequency	50/60 Hz	
Rated Grid Input/Output Current	3.7 A/3.5 A	
Power factor	0.8 leading to 0.8 lagging	
PV Parameters		
Max. PV Input Current	18 A+18 A	
Max. PV Isc	27 A+27 A	
Max. PV Input Voltage	60 V	
Rated PV Input Voltage	42.5 V	
Start Up DC Voltage	25 V	
MPPT Voltage Range	20 V to 55 V	
Number of MPPT	2	
General Parameters		
Operating Temperature Range	-10°C to +50°C (>45°C derating)	
Max. Operating Altitude	2000 m	
Relative Humidity	0 to 95%RH	
IP Rating	IP65	
Protective class	Class I	
Dimensions (W*D*H)	450x210x321 mm	
Weight	26 kg	20 kg

David Guo
Technical Manager
SGS-CSTC Standards Technical Services Co., Ltd.

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COMPLIANCE

Model	SUN-BK60-2.0KWH-EU-AM2 SUN-BK60-2.0KWH-AA-AM2 SUN-BK60-2.0KWH-SA-AM2	SUN-BK60-1.0KWH-EU-AM2 SUN-BK60-1.0KWH-AA-AM2 SUN-BK60-1.0KWH-SA-AM2
Battery Parameters		
Battery Chemistry	LFP	
Nominal Energy	2000 Wh	1000 Wh
Rated Capacity	40 Ah	20 Ah
Nominal Voltage	51.2 V	
Operating Voltage Range	44.8 V to 57.6 V	
AC Grid Parameters		
Rated Power	600 W	
Grid type	L+N+PE	
Rated voltage	220/230 Vac	
Rated Frequency	50/60 Hz	
Rated Grid Input/Output Current	2.8 A/2.7 A	
Power factor	0.8 leading to 0.8 lagging	
PV Parameters		
Max. PV Input Current	18 A+18 A	
Max. PV Isc	27 A+27 A	
Max. PV Input Voltage	60 V	
Rated PV Input Voltage	42.5 V	
Start Up DC Voltage	25 V	
MPPT Voltage Range	20 V to 55 V	
Number of MPPT	2	
General Parameters		
Operating Temperature Range	-10°C to +50°C (>45°C derating)	
Max. Operating Altitude	2000 m	
Relative Humidity	0 to 95%RH	
IP Rating	IP65	
Protective class	Class I	
Dimensions (W*D*H)	450x210x321 mm	
Weight	26 kg	20 kg

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