

VERIFICATION OF COMPLIANCE

No.: LVD GZES2409018054PV


Applicant: NINGBO DEYE ESS TECHNOLOGY CO., LTD.
No. 568, South Rixian Road, Binhai Economic Development
Zone, Cixi, Ningbo, Zhejiang, China

Manufacturer: NINGBO DEYE ESS TECHNOLOGY CO., LTD.
No. 568, South Rixian Road, Binhai Economic Development
Zone, Cixi, Ningbo, Zhejiang, China

Product Name: Rechargeable Li-ion Battery Storage System

Product Description: Energy Storage System

Model No.: GE-F120-2H2

Trade Mark: 

Rating: See Page 2

Protection against Electric Shock: Class I

Degree of Protection: IP54

Additional Information: -

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): GZES240901805401
GZES240901805402

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.

2024-10-16

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www.sgsgroup.com.cn
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Other information added:

Rating:

Model	GE-F120-2H2
PV Side	
Max. PV Input Voltage	1000 Vdc
MPPT Voltage Range	150 - 850 Vdc
Max. load MPPT Voltage Range	450 - 850 Vdc
Max. PV Input Power	65 kW
Max. PV Input Isc	55A+55A+55A+55A
PV Input Current	36A+36A+36A+36A
AC Side	
Nominal Grid Voltage	400 V, 3 L/N/PE
Nominal Grid Frequency	50/60 Hz
Rated AC Power	50 kW
Max. AC Current	83.4 A
Output Power Factor	0.8 leading ~ 0.8 lagging
Battery Side	
Battery Composition	LiFePO ₄
Nominal Voltage	614.4 Vdc
Voltage Range	480~700.8 Vdc
Rated energy	122.8 kWh
Max. Battery Current	100 A
General Data	
Operating temperature range	-20 °C ~ +55 °C
Protection degree	IP54
Protective class	Class I
Altitude	≤2000 m
Weight	2100 kg
Dimension (W*D*H mm)	1783*1059*2235
Noise Level@1m	≤80 dB

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