

EU Declaration of Conformity
Article 6 Restriction of Substances

Report No:
30240301004845

Manufacturer: NINGBO DEYE ESS TECHNOLOGY CO., LTD
Address: No. 568, Rixian South Road, Binhai Economic Development Zone,
Cixi City, Ningbo City, Zhejiang Province
Product: BOS-G-Pack5.1
Compliance Statement: The above described product, in all homogeneous
materials complies with all substance restrictions set out in Article 6 of (EU)
2023/1542 legislation.

Substance	Regulatory Limit	Compliance Status
Mercury (Hg)	≤ 0.0005 wt%	Conforms
Cadmium (Cd)	≤ 0.002 wt%	Conforms
Lead (Pb)	≤ 0.01 wt%	Conforms
REACH SVHC	In accordance with applicable entries	Conforms
REACH Annex XVII	In accordance with applicable entries	Conforms

NINGBO DEYE ESS TECHNOLOGY CO., LTD
Function: Head of Testing Center
Name:Kunlei Yu

KunLei Yu
2026.6.15
宁波德业储能科技有限公司
Ningbo, China
NINGBO DEYE ESS TECHNOLOGY CO., LTD

EU Declaration of Conformity

Article 10-Performance and durability requirements for rechargeable industrial batteries, LMT batteries and electric vehicle batteries

Report No:
30240301004845

Manufacturer: NINGBO DEYE ESS TECHNOLOGY CO., LTD

Address: No. 568, Rixian South Road, Binhai Economic Development Zone, Cixi City, Ningbo City, Zhejiang Province

Product: BOS-G-Pack5.1

Compliance with regulations: The product meets the requirements of Article 10 of the new Battery Law of the European Union and the corresponding Annex IV.

Regulatory Compliance: The product's compliance with the above regulatory information on electrochemical performance and durability is set out in the appendix.

Parameters related to electrochemical performance and durability.

Number	Parameter	Reference Standard	Value
1	Rated capacity (in Ah)	IEC62620	100
2	Capacity fade (in %)	IEC62620	6000 Cycles, fade≤30%
3	Power (in W)	ISO12405-3	5120
4	Power fade (in %)	/	1%~3% per year
5	Internal resistance (in Ω)	IEC62620	0.008
6	Internal resistance increase (in %)	/	5%~8% per year
7	Energy round trip efficiency (in %)	IEC62933-2-1	95%
8	Energy round trip efficiency fade(in %)	/	0.2%~0.3% per year
9	Expectation of life (in terms of cycles)	IEC62620	6000 ≥70%SOH
10	Expectation of life (in terms of calendar years)	/	10years ≥70%SOH

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EU Declaration of Conformity
Article 12-Safety of stationary battery energy storage systems

Report No:
30240301004845

Manufacturer: NINGBO DEYE ESS TECHNOLOGY CO., LTD
Address: No. 568, Rixian South Road, Cixi Binhai Economic Development Zone,
Zhejiang Province, China
Product: BOS-G-Pack5.1
The product meets the requirements of Article 12 of the new Battery Law of
the European Union and the corresponding Annex V.

No	Safety Parameter	Normative references	Test result(P/F)
1	Thermal shock and cycling	UN38.3.4.2	P
2	External short circuit protection	UN38.3.4.5	P
3	Overcharge protection	IEC62619 7.2.5 、 8.2.2 、 8.2.3 (battery system)	P
4	Over-discharge protection	IEC63056 7.8 (battery system)	P
5	Over-temperature protection	IEC62619 8.2.4 (battery system)	P
6	Thermal propagation protection	UL9540A	P
7	Mechanical damage by external forces	IEC63056 7.9	P
8	Internal short circuit	IEC62619 7.3.2 Internal short-circuit test (cell)	P
9	Thermal abuse	IEC62619 7.2.4 Thermal abuse test (cell or cell block)	P
10	Fire test	UL1973	P
11	Emission of gases	UL9540A	P

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EU Declaration of Conformity
Article 14-Information on the state of health and expected lifetime of
batteries

Report No:
30240301004845

Manufacturer: NINGBO DEYE ESS TECHNOLOGY CO., LTD

Address: No. 568, Rixian South Road, Cixi Binhai Economic Development
Zone, Zhejiang Province,

Product: BOS-G-Pack5.1

Compliance with regulations: The product meets the requirements of
Article 14 of the new Battery Law of the European Union and the
corresponding Annex VII

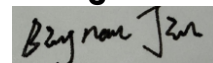
Regulatory Compliance: The product's compliance with the above
regulatory information on health status and life expectancy is set out in the
appendix.

N0	State of health	Software Functions (Y/N)
1	Remaining capacity	Y
2	Remaining power capability	Y
3	Remaining round trip efficiency	Y
4	Evolution of self-discharging rates	Y
5	Ohmic resistance	Y
N0	Expected lifetime	Software Functions (Y/N)
1	Date of manufacture of the battery	Y
2	Date of putting into service	Y
3	Energy throughput	Y
4	Capacity throughput	Y
5	Tracking of harmful events	Y
6	Number of full equivalent charge- discharge cycles	Y

NINGBO DEYE ESS TECHNOLOGY CO., LTD

Function: Software Manager

Name: Bingnan Jin



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