

CERTIFICATE

of conformity with the following European Directives

Low Voltage Directive 2014/35/EU

This certifies that below described products of the applicant:

NINGBO AUSTA SOLAR TECH CO.,LTD.

1-1, No.136,Haichuan Road,Jiangbei
District,Ningbo,Zhejiang,315000,P.R. China

comply to the essential requirements of the above mentioned European Directive and the following standards, taking into account the German national deviations:

Product(s): Rechargeable Li-ion Battery

Model type(s): LIH5KWh, LIH7.5KWh, LIH10KWh, LIH12.5KWh, LIH15KWh

This certificate of conformity is based on the evaluation of samples of the product. It does not imply an assessment of the production and it does not permit the use of a mark of conformity or of a safety mark of the TÜV NORD CERT GmbH. The holder of this certificate may use this Certificate together with his EC-Declaration of Conformity.

Certification program: P31-VA-01 Rev. 02 / 04.20

Certification fundamental(s): EN 62477-1:2012+A1:2017; EN 62477-1:2012+A12:2021

Registered no.: 44 799 24 406749 - 108

Report no.: 492013050.001

File no.: PVP12025/23E-02



TÜV NORD CERT GmbH
Certification Body
Energy Storage System

Essen, 2024-03-28



TÜV NORD CERT GmbH

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Please also pay attention to the information stated overleaf.

 The CE marking may be affixed on the product if all relevant and effective Directives are complied with. 

ANNEX

Annex 1, Page 1 of 5

to Certificate registration no. 44 799 24 406749 - 108

Description of product(s):

Model type(s):	LIH5KWh
Rated capacity:	27Ah
Nominal voltage:	192V
Watt-hour:	5184Wh
Recommended charge method:	Charging the battery with 14A constant current until 216V Or any cell reached 3.65V and stop charging when the charging current drops to 1.35A
Maximum charge current:	27A (1C)
Maximum charge voltage:	216V
Charge temperature range:	From 0°C to 50°C
Recommended discharge method:	Discharging the battery with 27A constant current to discharge cut-off voltage 156V Or any cell reached 2.6V
Maximum discharge current:	27A (1C)
Discharge cut-off voltage:	156V Or any cell reached 2.6V
Discharge temperature range:	From -20°C to 50°C
Nominal weight:	70±1kg
Nominal dimension:	600±1mm x 240±1mm x 590±2mm (W*D*H)
Storage temperature range:	From -10°C to 30°C
Protective class:	Class I
IP rating:	IP65
Altitude [m]:	2000m



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ANNEX

Annex 1, Page 2 of 5

to Certificate registration no. 44 799 24 406749 - 108

Description of product(s):

Model type(s):	LIH7.5KWh
Rated capacity:	27Ah
Nominal voltage:	288V
Watt-hour:	7776Wh
Recommended charge method:	Charging the battery with 14A constant current until 324V Or any cell reached 3.65V and stop charging when the charging current drops to 1.35A
Maximum charge current:	27A (1C)
Maximum charge voltage:	324V
Charge temperature range:	From 0°C to 50°C
Recommended discharge method:	Discharging the battery with 27A constant current to discharge cut-off voltage 234V Or any cell reached 2.6V
Maximum discharge current:	27A (1C)
Discharge cut-off voltage:	234V Or any cell reached 2.6V
Discharge temperature range:	From -20°C to 50°C
Nominal weight:	98±1.2kg
Nominal dimension:	600±1mm x 240±1mm x 770±3mm (W*D*H)
Storage temperature range:	From -10°C to 30°C
Protective class:	Class I
IP rating:	IP65
Altitude [m]:	2000m

ANNEX

Annex 1, Page 3 of 5

to Certificate registration no. 44 799 24 406749 - 108

Description of product(s):

Model type(s):	LIH10KWh
Rated capacity:	27Ah
Nominal voltage:	384V
Watt-hour:	10368Wh
Recommended charge method:	Charging the battery with 14A constant current until 432V Or any cell reached 3.65V and stop charging when the charging current drops to 1.35A
Maximum charge current:	27A (1C)
Maximum charge voltage:	432V
Charge temperature range:	From 0°C to 50°C
Recommended discharge method:	Discharging the battery with 27A constant current to discharge cut-off voltage 312V Or any cell reached 2.6V
Maximum discharge current:	27A (1C)
Discharge cut-off voltage:	312V Or any cell reached 2.6V
Discharge temperature range:	From -20°C to 50°C
Nominal weight:	126±1.5kg
Nominal dimension:	600±1mm x 240±1mm x 950±4mm (W*D*H)
Storage temperature range:	From -10°C to 30°C
Protective class:	Class I
IP rating:	IP65
Altitude [m]:	2000m



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ANNEX

Annex 1, Page 4 of 5

to Certificate registration no. 44 799 24 406749 - 108

Description of product(s):

Model type(s):	LIH12.5KWh
Rated capacity:	27Ah
Nominal voltage:	480V
Watt-hour:	12960Wh
Recommended charge method:	Charging the battery with 14A constant current until 540V Or any cell reached 3.65V and stop charging when the charging current drops to 1.35A
Maximum charge current:	27A (1C)
Maximum charge voltage:	540V
Charge temperature range:	From 0°C to 50°C
Recommended discharge method:	Discharging the battery with 27A constant current to discharge cut-off voltage 390V Or any cell reached 2.6V
Maximum discharge current:	27A (1C)
Discharge cut-off voltage:	390V Or any cell reached 2.6V
Discharge temperature range:	From -20°C to 50°C
Nominal weight:	154±1.7kg
Nominal dimension:	600±1mm x 240±1mm x 1130±5mm (W*D*H)
Storage temperature range:	From -10°C to 30°C
Protective class:	Class I
IP rating:	IP65
Altitude [m]:	2000m



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ANNEX

Annex 1, Page 5 of 5

to Certificate registration no. 44 799 24 406749 - 108

Description of product(s):

Model type(s):	LIH15KWh
Rated capacity:	27Ah
Nominal voltage:	576V
Watt-hour:	15552Wh
Recommended charge method:	Charging the battery with 14A constant current until 648V Or any cell reached 3.65V and stop charging when the charging current drops to 1.35A
Maximum charge current:	27A (1C)
Maximum charge voltage:	648V
Charge temperature range:	From 0°C to 50°C
Recommended discharge method:	Discharging the battery with 27A constant current to discharge cut-off voltage 468V Or any cell reached 2.6V
Maximum discharge current:	27A (1C)
Discharge cut-off voltage:	468V Or any cell reached 2.6V
Discharge temperature range:	From -20°C to 50°C
Nominal weight:	181±2kg
Nominal dimension:	600±1mm x 240±1mm x 1310±6mm (W*D*H)
Storage temperature range:	From -10°C to 30°C
Protective class:	Class I
IP rating:	IP65
Altitude [m]:	2000m

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.



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