



Technical Report No.: 64.290.25.30778.01

Date: 2025-12-29

Client: Name: Shenzhen Kstar New Energy Company Limited  
Address: The 9th Floor, R&D Building, Kstar Industrial Park, Guangming Hi-tech Industrial Zone, 518107 Shenzhen, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA  
Contact person: Guo shuhong

Manufacturer: Name: Shenzhen Kstar New Energy Company Limited  
Address: The 9th Floor, R&D Building, Kstar Industrial Park, Guangming Hi-tech Industrial Zone, 518107 Shenzhen, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA  
Contact person: Guo shuhong

Factory: Name: Shenzhen KSTAR Science & Technology Co., Ltd. Guangming Branch  
Address: Kstar Tech-Industrial Park, 7th Road, Western Area, Hi-Tech Industrial Zone, Tianliao Community, Yutang Street, Guangming District, 518107 Shenzhen City, Guangdong Province, PEOPLE'S REPUBLIC OF CHINA  
Contact person: Guo shuhong

Test object: Product: Batteries (Rechargeable Li-ion Battery System)  
Model: BP48100P1A-G2, BP48100P1A-G2-2P, BP48100P1A-G2-3P, BP48100P1A-G2-4P, BP48100P1A-G2-5P, BP48100P1A-G2-6P, BP48100P1A-G2-7P, BP48100P1A-G2-8P, BP48100PF1A-G2, BP48100PF1A-G2-2P, BP48100PF1A-G2-3P, BP48100PF1A-G2-4P, BP48100PF1A-G2-5P, BP48100PF1A-G2-6P, BP48100PF1A-G2-7P, BP48100PF1A-G2-8P  
Trade mark: **KSTAR**

Test specification: IEC 62477-1:2012 + AMD1:2016, EN 62477-1:2012 + A11:2014 + A1:2017 + A12:2021, IEC 62040-1:2017 + AMD1:2021, EN IEC 62040-1:2019 + A11:2021

ID: 2270 Doc No.: ITC-TTW0902.02E - Rev. 17



Purpose of examination:

- Testing (visual / partial) for compliance with specified requirements to assess conformity with the essential safety and health requirements of the following European Directives / Regulations: Low Voltage Directive 2014/35/EU

Test result:

- The test results show that the presented product is in compliance with the above listed test specifications.

*Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question. It does not imply a general statement regarding the quality of products from regular production. For further details please see Testing, Certification, Validation and Verification Regulations, chapter A-3.3.*

## 1. Description of the test object

### 1.1 Picture(s)

Refer to photo document.

### 1.2 Function

1. The units are the Rechargeable Li-ion Battery Systems intended to be used in energy storage applications with inverter in the final system. The Rechargeable Li-ion Battery Systems consist of different numbers of battery modules (certified by IEC 62619), top cover, metal bases, conduits and external power cords. Max. 8 pcs battery modules are connected in parallel. The battery module consists of 16 Rechargeable Li-ion cells in series. For more information, please refer to model difference and ratings table for the details.
2. The units shall be used at specified ambient range.
  - 1) Outdoor.
  - 2) Ambient temperature range: 0 to 50 °C for model without thermal heater (charging mode), -10 to 50 °C for model with thermal heater (charging mode), -10~50 °C (discharging mode). Derating above 45 °C.
  - 3) Altitude: ≤ 2000m.
  - 4) Environment pollution degree: less than or equal to PD 3.
  - 5) Relative humidity range: 0% to 95% RH.
  - 6) Overvoltage category: II.
3. In the final installation, the battery systems will match max. 12 kW inverter. For the battery systems with 4 to 8 pcs battery modules, the max. charging and discharging current of system was limited to 240 A d.c. by inverter. For the systems with 1 to 3 pcs battery modules, the max. charging and discharging current of system was limited by battery modules. One battery module, max. charging and discharging current is 80 A d.c..
4. There is one connector for connecting with matching inverter. The connectors include DVC B battery circuit and DVC A communication circuit.
5. The decisive voltage class (DVC) of this battery system is considered as DVC B. An isolation means of reinforced insulation shall be considered between battery system and external DVC C circuits. Insulation between two circuits shall be designed according to the circuit having the more severe requirement or the working voltage between the circuits, whichever gives the most severe requirement.
6. Low voltage electrical installations shall comply with national and local regulations. The compatibility between PCS intended to be connected shall be verified for final use. Only skilled person are permitted to install and maintain according to the user manual.
7. Software model: 3305-4760\_V000B000D000.



**Model Differences:**

BP48100P1A-G2-8P is a basic model. All models have the same electrical schematic diagram and same software setting and control program, except for below:

Series model BP48100PF1A-G2\*\* and BP48100P1A-G2\*\* are similar, except for BP48100PF1A-G2\*\* incorporating an internal thermal heater additionally than BP48100P1A-G2\*\* and parallel different numbers of battery modules. More information are shown in the following table:

Models	Model of cell	Number of battery module	With or without thermal heater	Number of top cover	Metal base
BP48100P1A-G2	LF100LA	1	Without	1	1 pcs  Size: 725 mm*45.5 mm* 245 mm Materials: SUS201 (only for handler), SGCC Thickness: 1.5 mm, Outer side thickness: 2 mm  Without parallel terminal
BP48100PF1A-G2			With		
BP48100P1A-G2-2P		2	Without		
BP48100PF1A-G2-2P			With		
BP48100P1A-G2-3P		3	Without		
BP48100PF1A-G2-3P			With		
BP48100P1A-G2-4P		4	Without		
BP48100PF1A-G2-4P			With		
BP48100P1A-G2-5P		5	Without	2	2 pcs  Size: 725 mm*197 mm* 245 mm Materials: SUS201 (only for handler), SGCC
BP48100PF1A-G2-5P			With		
BP48100P1A-G2-6P		6	Without		
BP48100PF1A-G2-6P			With		
BP48100P1A-G2-7P		7	Without		

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BP48100PF1A-G2-7P			With		Thickness: 1.5 mm  With parallel terminals
BP48100P1A-G2-8P		8	Without		
BP48100PF1A-G2-8P			With		

**1.3 Consideration of the foreseeable use**

- Not applicable
  - Covered through the applied standard
  - Covered by the following comment\*
  - Covered by attached risk analysis
- \* None

**1.4 Technical Data**

Model:	BP48100P1A-G2	BP48100P1A-G2-2P	BP48100P1A-G2-3P	BP48100P1A-G2-4P
<b>Battery input/output terminal parameters</b>				
Battery type	LiFePO4			
Rated capacity (Ah)	100	200	300	400
Rated energy capacity (kWh)	5.12	10.24	15.36	20.48
Nominal voltage (V d.c)	51.2			
Battery voltage range (V d.c.)	44.8 ~ 57.6			
Max. charging current (A d.c.)	80	160	240	240
Max. discharging current (A d.c.)	80	160	240	240
Rated charging/discharging power (kW)	4.096	8.192	12.288	12.288
<b>General</b>				
Ambient charging temperature range (°C)	0 to 50			
Ambient discharging temperature range (°C)	-10 to 50			
Protective class	I			
Ingress protection	IP65			

Model:	BP48100PF1A-G2	BP48100PF1A-G2-2P	BP48100PF1A-G2-3P	BP48100PF1A-G2-4P
<b>Battery input/output terminal parameters</b>				

Battery type	LiFePO4			
Rated capacity (Ah)	100	200	300	400
Rated energy capacity (kWh)	5.12	10.24	15.36	20.48
Nominal voltage (V d.c)	51.2			
Battery voltage range (V d.c.)	44.8 ~ 57.6			
Max. charging current (A d.c.)	80	160	240	240
Max. discharging current (A d.c.)	80	160	240	240
Rated charging/discharging power (kW)	4.096	8.192	12.288	12.288
<b>General</b>				
Ambient charging temperature range (°C)	-10 to 50			
Ambient discharging temperature range (°C)	-10 to 50			
Protective class	I			
Ingress protection	IP65			

Model:	BP48100P1A-G2-5P	BP48100P1A-G2-6P	BP48100P1A-G2-7P	BP48100P1A-G2-8P
<b>Battery input/output terminal parameters</b>				
Battery type	LiFePO4			
Rated capacity (Ah)	500	600	700	800
Rated energy capacity (kWh)	25.6	30.72	35.84	40.96
Nominal voltage (V d.c)	51.2			
Battery voltage range (V d.c.)	44.8 ~ 57.6			
Max. charging current (A d.c.)	240	240	240	240
Max. discharging current (A d.c.)	240	240	240	240
Rated charging/discharging power (kW)	12.288	12.288	12.288	12.288
<b>General</b>				
Ambient charging temperature range (°C)	0 to 50			
Ambient discharging temperature range (°C)	-10 to 50			
Protective class	I			
Ingress protection	IP65			



Model:	BP48100PF1A-G2-5P	BP48100PF1A-G2-6P	BP48100PF1A-G2-7P	BP48100PF1A-G2-8P
<b>Battery input/output terminal parameters</b>				
Battery type	LiFePO4			
Rated capacity (Ah)	500	600	700	800
Rated energy capacity (kWh)	25.6	30.72	35.84	40.96
Nominal voltage (V d.c)	51.2			
Battery voltage range (V d.c.)	44.8 ~ 57.6			
Max. charging current (A d.c.)	240	240	240	240
Max. discharging current (A d.c.)	240	240	240	240
Rated charging/discharging power (kW)	12.288	12.288	12.288	12.288
<b>General</b>				
Ambient charging temperature range (°C)	-10 to 50			
Ambient discharging temperature range (°C)	-10 to 50			
Protective class	I			
Ingress protection	IP65			

**1.5 Rating Label**

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**KSTAR**  
**Model:BP48100P1A-G2**

Rechargeable Li-ion Battery System  
 IFpP51/161/120[(8S)2S]M/-10+40/90

Battery type: LiFePO4  
 Rated capacity: 100Ah  
 Rated energy: 5.12kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: 0°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 80Ad.c.  
 Maximum discharge power: 4.096kW  
 Maximum charge current: 80Ad.c.  
 Maximum charge power: 4.096kW  
 Protection class: Class I



Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
 MADE IN CHINA

**KSTAR**  
**Model:BP48100PF1A-G2**

Rechargeable Li-ion Battery System  
 IFpP51/161/120[(8S)2S]M/-10+40/90

Battery type: LiFePO4  
 Rated capacity: 100Ah  
 Rated energy: 5.12kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: -10°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 80Ad.c.  
 Maximum discharge power: 4.096kW  
 Maximum charge current: 80Ad.c.  
 Maximum charge power: 4.096kW  
 Protection class: Class I



Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
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**KSTAR**  
**Model:BP48100P1A-G2-2P**

Rechargeable Li-ion Battery System  
 IFpP51/161/120[(8S)2S]2P]E/-10+40/90

Battery type: LiFePO4  
 Rated capacity: 200Ah  
 Rated energy: 10.24kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: 0°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 160Ad.c.  
 Maximum discharge power: 8.192kW  
 Maximum charge current: 160Ad.c.  
 Maximum charge power: 8.192kW  
 Protection class: Class I



Production Date:

Serial No.:

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**KSTAR**  
**Model:BP48100PF1A-G2-2P**

Rechargeable Li-ion Battery System  
 IFpP51/161/120[(8S)2S]2P]E/-10+40/90

Battery type: LiFePO4  
 Rated capacity: 200Ah  
 Rated energy: 10.24kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: -10°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 160Ad.c.  
 Maximum discharge power: 8.192kW  
 Maximum charge current: 160Ad.c.  
 Maximum charge power: 8.192kW  
 Protection class: Class I



Production Date:

Serial No.:

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 MADE IN CHINA

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**KSTAR**

**Model:BP48100P1A-G2-3P**

Rechargeable Li-ion Battery System  
**IFpP51/161/120(((8S)2S)3P]E/-10+40/90**  
 Battery type: LiFePO4  
 Rated capacity: 300Ah  
 Rated energy: 15.36kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: 0°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 240Ad.c.  
 Maximum discharge power: 12,288kW  
 Maximum charge current: 240Ad.c.  
 Maximum charge power: 12,288kW  
 Protection class: Class I

Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
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**KSTAR**

**Model:BP48100PF1A-G2-3P**

Rechargeable Li-ion Battery System  
**IFpP51/161/120(((8S)2S)3P]E/-10+40/90**  
 Battery type: LiFePO4  
 Rated capacity: 300Ah  
 Rated energy: 15.36kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: -10°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 240Ad.c.  
 Maximum discharge power: 12,288kW  
 Maximum charge current: 240Ad.c.  
 Maximum charge power: 12,288kW  
 Protection class: Class I

Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
 MADE IN CHINA

**KSTAR**

**Model:BP48100P1A-G2-4P**

Rechargeable Li-ion Battery System  
**IFpP51/161/120(((8S)2S)4P]E/-10+40/90**  
 Battery type: LiFePO4  
 Rated capacity: 400Ah  
 Rated energy: 20.48kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: 0°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 240Ad.c.  
 Maximum discharge power: 12,288kW  
 Maximum charge current: 240Ad.c.  
 Maximum charge power: 12,288kW  
 Protection class: Class I

Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
 MADE IN CHINA

**KSTAR**

**Model:BP48100PF1A-G2-4P**

Rechargeable Li-ion Battery System  
**IFpP51/161/120(((8S)2S)4P]E/-10+40/90**  
 Battery type: LiFePO4  
 Rated capacity: 400Ah  
 Rated energy: 20.48kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: -10°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 240Ad.c.  
 Maximum discharge power: 12,288kW  
 Maximum charge current: 240Ad.c.  
 Maximum charge power: 12,288kW  
 Protection class: Class I

Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
 MADE IN CHINA

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**KSTAR**  
**Model:BP48100P1A-G2-5P**

Rechargeable Li-ion Battery System  
 IFpP51/161/120(((8S)2S)5P)E/-10+40/90  
 Battery type: LiFePO4  
 Rated capacity: 500Ah  
 Rated energy: 25.6kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: 0°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 240Ad.c.  
 Maximum discharge power: 12.288kW  
 Maximum charge current: 240Ad.c.  
 Maximum charge power: 12.288kW  
 Protection class: Class I



Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
 MADE IN CHINA

**KSTAR**  
**Model:BP48100PF1A-G2-5P**

Rechargeable Li-ion Battery System  
 IFpP51/161/120(((8S)2S)5P)E/-10+40/90  
 Battery type: LiFePO4  
 Rated capacity: 500Ah  
 Rated energy: 25.6kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: -10°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 240Ad.c.  
 Maximum discharge power: 12.288kW  
 Maximum charge current: 240Ad.c.  
 Maximum charge power: 12.288kW  
 Protection class: Class I



Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
 MADE IN CHINA

**KSTAR**  
**Model:BP48100P1A-G2-6P**

Rechargeable Li-ion Battery System  
 IFpP51/161/120(((8S)2S)6P)E/-10+40/90  
 Battery type: LiFePO4  
 Rated capacity: 600Ah  
 Rated energy: 30.72kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: 0°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 240Ad.c.  
 Maximum discharge power: 12.288kW  
 Maximum charge current: 240Ad.c.  
 Maximum charge power: 12.288kW  
 Protection class: Class I



Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
 MADE IN CHINA

**KSTAR**  
**Model:BP48100PF1A-G2-6P**

Rechargeable Li-ion Battery System  
 IFpP51/161/120(((8S)2S)6P)E/-10+40/90  
 Battery type: LiFePO4  
 Rated capacity: 600Ah  
 Rated energy: 30.72kWh  
 Nominal voltage: 51.2Vd.c.  
 Ingress Protection: IP65  
 Operating ambient Temperature: -10°C~+50°C(Charging)/  
 -10°C~+50°C(Discharging)  
 Operation voltage range: 44.8~57.6Vd.c.  
 Maximum discharge current: 240Ad.c.  
 Maximum discharge power: 12.288kW  
 Maximum charge current: 240Ad.c.  
 Maximum charge power: 12.288kW  
 Protection class: Class I



Production Date:

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Shenzhen Kstar New Energy Company Limited  
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**KSTAR**

**Model:BP48100P1A-G2-7P**

Rechargeable Li-ion Battery System  
IFpP51/161/120(((8S)2S)7P)E/-10+40/90

Battery type: LiFePO4

Rated capacity: 700Ah

Rated energy: 35.84kWh

Nominal voltage: 51.2Vd.c.

Ingress Protection: IP65

Operating ambient Temperature: 0°C~+50°C(Charging)/  
-10°C~+50°C(Discharging)

Operation voltage range: 44.8~57.6Vd.c.

Maximum discharge current: 240Ad.c.

Maximum discharge power: 12,288kW

Maximum charge current: 240Ad.c.

Maximum charge power: 12,288kW

Protection class: Class I



Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
MADE IN CHINA

**KSTAR**

**Model:BP48100PF1A-G2-7P**

Rechargeable Li-ion Battery System  
IFpP51/161/120(((8S)2S)7P)E/-10+40/90

Battery type: LiFePO4

Rated capacity: 700Ah

Rated energy: 35.84kWh

Nominal voltage: 51.2Vd.c.

Ingress Protection: IP65

Operating ambient Temperature: -10°C~+50°C(Charging)/  
-10°C~+50°C(Discharging)

Operation voltage range: 44.8~57.6Vd.c.

Maximum discharge current: 240Ad.c.

Maximum discharge power: 12,288kW

Maximum charge current: 240Ad.c.

Maximum charge power: 12,288kW

Protection class: Class I



Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
MADE IN CHINA

**KSTAR**

**Model:BP48100P1A-G2-8P**

Rechargeable Li-ion Battery System  
IFpP51/161/120(((8S)2S)8P)E/-10+40/90

Battery type: LiFePO4

Rated capacity: 800Ah

Rated energy: 40.96kWh

Nominal voltage: 51.2Vd.c.

Ingress Protection: IP65

Operating ambient Temperature: 0°C~+50°C(Charging)/  
-10°C~+50°C(Discharging)

Operation voltage range: 44.8~57.6Vd.c.

Maximum discharge current: 240Ad.c.

Maximum discharge power: 12,288kW

Maximum charge current: 240Ad.c.

Maximum charge power: 12,288kW

Protection class: Class I



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Serial No.:

Shenzhen Kstar New Energy Company Limited  
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**KSTAR**

**Model:BP48100PF1A-G2-8P**

Rechargeable Li-ion Battery System  
IFpP51/161/120(((8S)2S)8P)E/-10+40/90

Battery type: LiFePO4

Rated capacity: 800Ah

Rated energy: 40.96kWh

Nominal voltage: 51.2Vd.c.

Ingress Protection: IP65

Operating ambient Temperature: -10°C~+50°C(Charging)/  
-10°C~+50°C(Discharging)

Operation voltage range: 44.8~57.6Vd.c.

Maximum discharge current: 240Ad.c.

Maximum discharge power: 12,288kW

Maximum charge current: 240Ad.c.

Maximum charge power: 12,288kW

Protection class: Class I



Production Date:

Serial No.:

Shenzhen Kstar New Energy Company Limited  
MADE IN CHINA

ID: 2270 Doc No.: ITC-TTW0902.02E - Rev. 17

## 2. Order

### 2.1 Date of Purchase Order, Customer's Reference

2025-09-29

### 2.2 Test Sample(s)

- Reception date(s): 2025-11-26
- Location(s) of reception: Building D1, No. 63 Chuangqi Road, Shilou Town, Panyu District, Guang-zhou 511447, China
- Condition of test sample(s): Intact

### 2.3 Testing

- Testing date(s): 2025-11-26 to 2025-12-19
- Location(s) of testing: Building D1, No. 63 Chuangqi Road, Shilou Town, Panyu District, Guang-zhou 511447, China

### 2.4 Points of Non-Compliance or Exceptions of the Test Procedure

- None

## 3. Test Results

- Decision rule according to ILAC-G8:09/2019 clause 4.2.1 Binary statement for simple acceptance rule or IEC Guide 115:2023, clause 4.3.3 Simple acceptance was applied.

### 3.1 Positive Test Results

Test specification(s)	Report no. / Rev. No.	Date	Remark
Electrical safety:	64.290.25.30778.01 / 00	2025-12-29	N/A

### 3.2 Points of Non-Compliance according to the test specification

- None



**4. Test History**

None.

**5. Remarks**

**5.1 General**

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

**5.2 Factory surveillance cycle**

Your production facility is currently on the following surveillance cycle.

- Annual (12 month)
- Bi-Annual (6 month)
- Quarterly (3 month)
- None

**5.3 Additional information for routine tests to be performed by the factory(ies)**

**Routine tests for electrical appliances / equipment:**

Routine test requirements for production are described in IEC 62477-1:2012 + AMD1:2016, EN 62477-1:2012 + A11:2014 + A1:2017 + A12:2021, IEC 62040-1:2017 + AMD1:2021, EN IEC 62040-1:2019 + A11:2021.

- Required
- Not Required Reason for non-requirement:
  - Class III product
  - Other:

**Test Details:**

- Visual inspection
- Dielectric Strength

**Test Points:**

To check features such as adequacy of labelling, warnings and other safety aspects

Bl: Battery input/output port to PE

**Test Values / Limit(s):**

IP; labelling; warnings

110 V d.c.; 1 s; No breakdown

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	RI: Battery input/output port to communication port	110 V d.c.; 1 s; No breakdown
<input checked="" type="checkbox"/> Ground Continuity	RI: Battery input/output port to communication port	25 A; t ≥ 2 s; < 0.1 Ω

6. Documentation

File	File name	Date
Data form (CDF):	64.290.25.30778.01CDF_B_N8A_E	2025-12-29
Photo documentation:	64.290.25.30778.01DOC_B_N8A	2025-12-29

7. Summary

- The test specifications are met.
- The test specification(s) is (are) not met.  In case of full testing further Non-Compliances can be located.

TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch

Tested by: Joss Huang  
(Project Handler) *Joss Huang*  
*printed name, function & signature*

Approved by: Lincoln Zhang  
(Designated Reviewer) *Lincoln Zhang*  
*printed name, function & signature*



.....End of test report.....

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