

# QUINT-HP-BAT/PB/48DC/7.0AH/PT - Battery module



1133819

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Battery module (device with battery), VRLA-AGM, 48 V DC, 7 Ah



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## Product description

The maintenance-free lead AGM battery module is an intelligent energy storage device that supports IQ Technology. The process-controlled battery module communicates with the connected QUINT-UPS-IQ device, and is continuously monitored. For mechanical protection, the batteries are located in a robust housing.

## Technical data

### Notes

#### General

Note on the battery	<p>For proper operation of the QUINT-HP-UPS/120AC/2.5KVA/PT (1136813) and QUINT-HP-UPS/230AC/2.5KVA/PT (1136815) uninterruptible power supplies, at least 2 QUINT-HP-BAT/PB/48DC/7.0AH/PT (1133819) battery modules are required.</p> <p>For longer buffer times, multiples of 2 battery modules must always be connected to the UPS (2, 4, 6, 8, or 10). A maximum of 10 batteries can be connected to a single UPS of this type. QUINT-HP-UPS/120AC/1.5KVA/PT (1136804) and QUINT-HP-UPS/230AC/1.5KVA/PT (1136811) can be supplied with individual battery modules (1-5 modules).</p>
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### Energy storage

#### Input

Input voltage	48 V DC (SELV)
Nominal capacity	7 Ah
Charging current	2.1 A
End-of-charge voltage	56 V DC (20 °C)

#### Output

Output current	40 A
Output fuse	max. 40 A

#### General

Connection in parallel	yes
	max. 5
Battery type	BB Battery BP7-12FR
Battery technology	VRLA-AGM
IQ-Technology	yes
Latest startup date (battery only)	12 Months (0 °C ... 20 °C)
Latest startup (battery only) - range	9 Months ... 12 Months (20 °C ... 30 °C)
	6 Months ... 9 Months (30 °C ... 40 °C)
Accumulator module service life (according to Eurobat)	6 (20 °C)
Size designation	Block
Suitable for fast charging	yes
Temperature sensor	yes

### Connection data

#### Battery

Position	4.x
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#### Connection technology

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Position marking	4.1 (+), 4.2 (+)
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## Conductor connection

Connection method	Push-in connection
rigid	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
flexible	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
flexible with ferrule without plastic sleeve	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
flexible with ferrule with plastic sleeve	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
AWG	8 ... 6
Stripping length	18 mm

## Battery

Position	4.x
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## Connection technology

Position marking	4.3 (-), 4.4 (-)
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## Conductor connection

Connection method	Push-in connection
rigid	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
flexible	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
flexible with ferrule without plastic sleeve	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
flexible with ferrule with plastic sleeve	6 mm <sup>2</sup> ... 16 mm <sup>2</sup>
AWG	8 ... 6
Stripping length	18 mm

## Product properties

Product type	Battery module
Product family	Battery module (device with battery)

## Insulation characteristics

Protection class	III
Degree of pollution	2

## Dimensions

### Item dimensions

Width	156.5 mm
Height	354 mm
Depth	143 mm

### Drill hole

Diameter	5.5 mm
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### Installation dimensions

Installation distance right/left	0 mm / 0 mm
Installation distance top/bottom	20 mm / 20 mm

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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (storage/transport)	-20 °C ... 40 °C
Ambient temperature (charge)	0 °C ... 40 °C
Ambient temperature (discharge)	-20 °C ... 50 °C
Max. permissible relative humidity (operation)	≤ 95 %

### Ex data

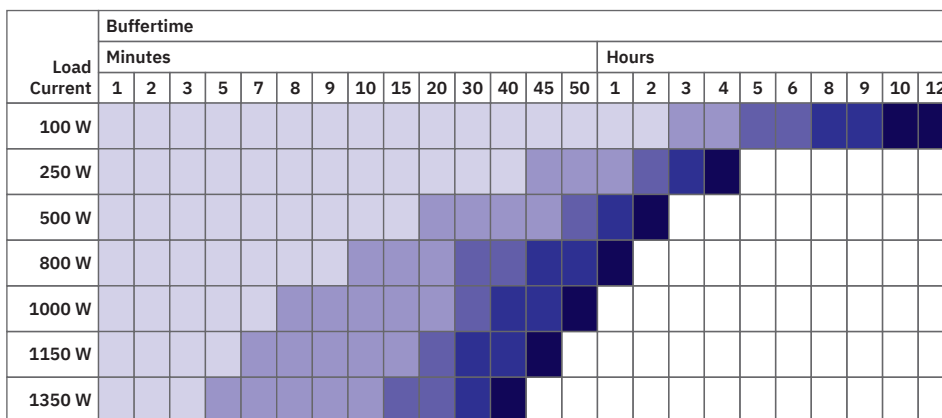
Suited for EX-applications	no
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## Drawings

### Graphic

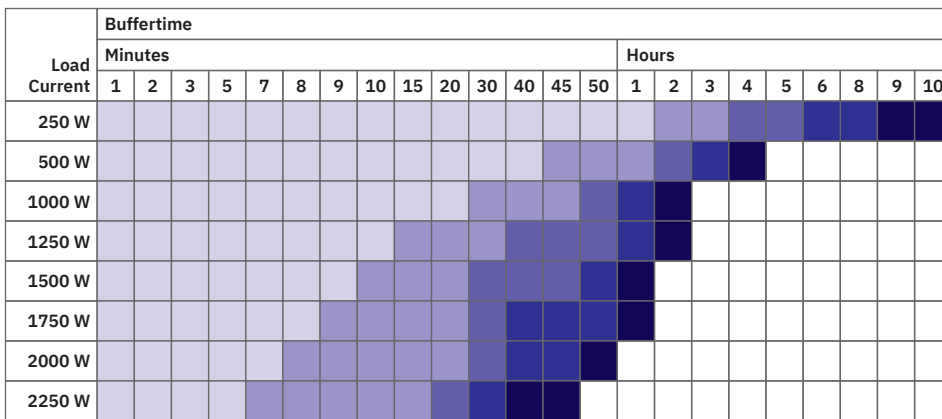


The data is based on an ambient temperature of +25 °C at the start of use.



### Buffer times for QUINT HP UPS 1.5 kVA

### Graphic



The data is based on an ambient temperature of +25 °C at the start of use.



### Buffer times for QUINT HP UPS 2.5 kVA

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## Approvals

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**IECEE CB Scheme**

Approval ID: DK-134725-A1-UL



**cULus Listed**

Approval ID: E123528-20220920



**cULus Listed**

Approval ID: E199827-20221028

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## Classifications

### ECLASS

ECLASS-13.0

27050403

### ETIM

ETIM 9.0

EC003893

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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