

UPS-BAT/LI-ION/24DC/120WH - Battery module



2320351

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Battery module, LI-ION technology, 24 V DC, 120 Wh, for ambient temperatures of -20 °C ... 60 °C, automatic detection and communication with QUINT UPS-IQ

Product description

For continuous monitoring and intelligent management, there is constant communication with the QUINT UPS. Thanks to automatic detection of the battery module and tool-free switching during operation, quick installation is possible. The battery modules for QUINT UPS with IQ Technology leave the warehouse fully charged.

Your advantages

- Long service life with long buffer times
- Lithium iron phosphate technology
- High energy density

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2320351 |
| Packing unit | 1 pc |
| Sales key | CM24 |
| Product key | CMUEL3 |
| GTIN | 4046356599054 |
| Weight per piece (including packing) | 3,505 g |
| Weight per piece (excluding packing) | 2,900 g |
| Customs tariff number | 85076000 |
| Country of origin | CN |

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Technical data

Input data

| | |
|---------------|---------------|
| Input voltage | 24 V DC |
| Buffer period | 14 min (20 A) |

Output data

| | |
|--------------------------|---|
| Nominal output voltage | 24 V DC |
| Output current I_{max} | 30 A |
| Output fuse | 1x 30 A ATOF 32V (breaking capacity 1000 A) |
| Connection in parallel | 3 |
| | 3 |
| Connection in series | no |

Battery operation

| | |
|----------------------------------|---------|
| Nominal output voltage | 24 V DC |
| Nominal output current (I_N) | 30 A |

Energy storage

| | |
|------------------------------------|------------------------------------|
| End-of-charge voltage | 28.5 V DC (20 °C) |
| Charging current | 10 A |
| Nominal capacity | 120 Wh |
| Latest startup date (battery only) | 24 Months (20 °C) |
| Battery technology | Lithium-Ion (LiFePO ₄) |
| Memory medium | LI-ION, 120 Wh |
| Accumulator type | NEC ALM 12V7s HP |
| Number of cells | 2 |
| Size designation | Block |
| Battery pack | yes |
| IQ technology | Yes |
| Temperature sensor | yes |
| Suitable for fast charging | yes |

Product properties

| | |
|----------------|---|
| Product type | Battery module |
| Product family | Battery module (device with battery) |
| Application | for QUINT4 DC-UPS, QUINT4 AC-UPS, and QUINT-UPS |
| Disposal | Used batteries must not be thrown away with household waste, they should instead be disposed of in accordance with applicable national regulations. |
| IQ technology | Yes |

Insulation characteristics

| | |
|---------------------|-----|
| Protection class | III |
| Degree of pollution | 2 |

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Dimensions

| | |
|--------|--------|
| Width | 135 mm |
| Height | 202 mm |
| Depth | 110 mm |

Installation dimensions

| | |
|----------------------------------|---------------|
| Installation distance right/left | 0 mm / 0 mm |
| Installation distance top/bottom | 50 mm / 50 mm |

Mounting

| | |
|-------------------|-------------------------------------|
| Mounting position | horizontal DIN rail NS 35, EN 60715 |
|-------------------|-------------------------------------|

Material specifications

| | |
|------------------|---------------------------------------|
| Housing material | Metal |
| Type of housing | Galvanized sheet steel, powder-coated |

Environmental and real-life conditions

Ambient conditions

| | |
|--|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 58 °C |
| Ambient temperature (storage/transport) | -40 °C ... 65 °C |
| Max. permissible relative humidity (operation) | ≤ 95 % |
| Shock | 18 ms, 30g, in each space direction (according to IEC 60068-2-27) |
| Vibration (operation) | < 15 Hz, amplitude ±2,5 mm, 15 Hz ... 150 Hz, according to IEC 60068-2-6 15 Hz ... 150 Hz, 2.3g, 90 min. |

Standards and regulations

| | |
|--|----------------------------|
| Standard – Electronic equipment for use in electrical power installations and their assembly into electrical power installations | EN 50178/VDE 0160 (PELV) |
| Standard - Electrical safety | EN 60950-1/VDE 0805 (SELV) |

Approvals

| | |
|--------------|--|
| UL approvals | UL/C-UL listed UL 508 |
| | UL/C-UL Recognized UL 60950-1 |
| | UL ANSI/ISA-12.12.01 Class I, Division 2, Groups A, B, C, D (Hazardous Location) |

Ex data

| | |
|----------------------------|----|
| Suited for EX-applications | no |
|----------------------------|----|

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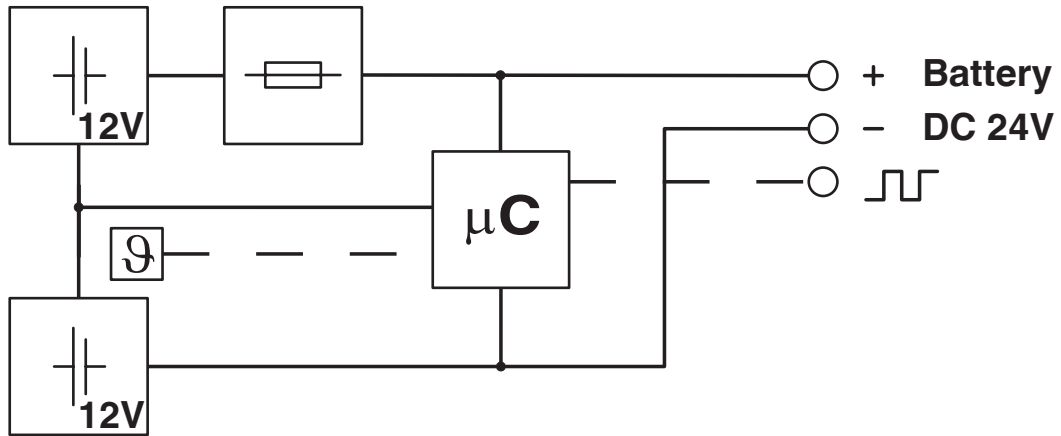


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Drawings

Block diagram



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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26111700 |
|-------------|----------|

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Environmental product compliance

EU RoHS

| | |
|---|--------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 7(a), 7(c)-I |

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-10 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

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

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