# UPS-BAT/VRLA/24DC/7.2AH - Battery module

2320319

https://www.phoenixcontact.com/us/products/2320319

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Battery module, lead AGM, VRLA technology, 24 V DC, 7.2 Ah, tool-free battery replacement, 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

- Maximum buffer times
- Lead AGM (Absorbent Glass Mat) technology

## Commercial data

| | |
|---|---|
| Item number | 2320319 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | CM24 |
| Product key | CMUEV3 |
| GTIN | 4046356553353 |
| Weight per piece (including packing) | 6,240 g |
| Weight per piece (excluding packing) | 5,611 g |
| Customs tariff number | 85072080 |
| Country of origin | CN |

# Technical data

## Input data

| | |
|---|---|
| Input voltage | 24 V DC |
| Buffer period | 10 min (20 A) |
| | 3 min (40 A) |

## Output data

| | |
|---|---|
| Nominal output voltage | 24 V DC |
| Output current $I_{max}$ | 50 A |
| Output fuse | 2x 25 A |
| Connection in parallel | 5 |
| | 5 |
| Connection in series | no |

### Battery operation

| | |
|---|---|
| Nominal output voltage | 24 V DC |
| Nominal output current ($I_N$) | 50 A |

## Energy storage

| | |
|---|---|
| End-of-charge voltage | 27.6 V (20 °C) |
| Charging current | 2.88 A |
| Nominal capacity | 7.2 Ah |
| Battery module service life | 6 Years ... 9 Years (20 °C) |
| 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) |
| Battery technology | VRLA-AGM |
| Memory medium | Lead rechargeable battery module |
| Accumulator type | Panasonic LC-V127R2PG1 |
| 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) |
| 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 |

## Dimensions

| | |
|---|---|
| Width | 135 mm |
| Height | 202 mm |
| Depth | 110 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) | 0 °C ... 40 °C |
| Ambient temperature (storage/transport) | -15 °C ... 40 °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 - Electrical safety | EN 62368-1/VDE 0868-1 |

## Approvals

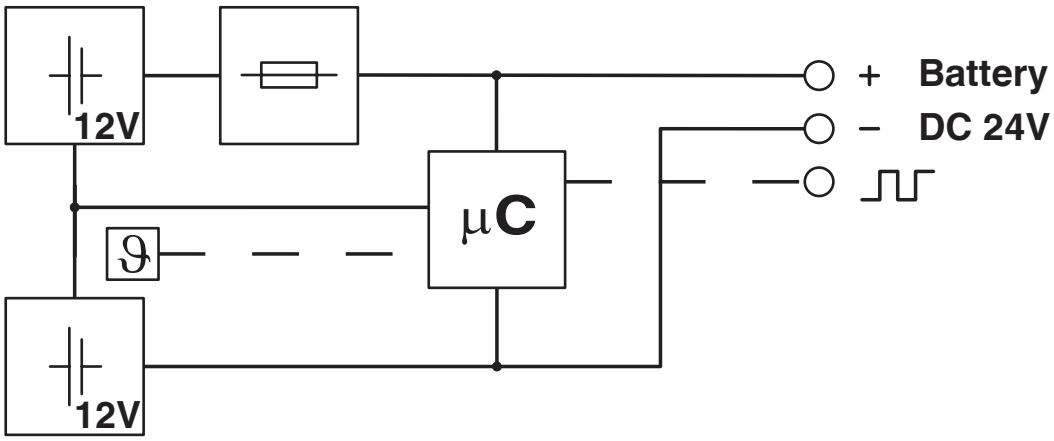
| | |
|---|---|
| Shipbuilding approval | DNV GL (EMC A), ABS |
| UL approvals | UL/C-UL listed UL 508 |
| | UL/C-UL Recognized UL 60950-1 |
| | UL ANSI/ISA-12.12.01 Class I, Division 2, Groups A, B, C, D (Hazardous Location) |
| VdS approval | G 193046 |

## Ex data

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

## Drawings

Block diagram



## Classifications

### UNSPSC

| | |
|---|---|
| UNSPSC 21.0 | 26111715 |

## Environmental product compliance

EU RoHS

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

China RoHS

| | |
|---|---|
| Environment friendly use period (EFUP) | EFUP-3 |
| | 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.) | No substance above 0.1 wt% |


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