

Energy storage - UPS-BAT/LI-ION/24DC/120WH



2320351

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Energy storage device, 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 energy storage, and tool-free switching during operation, quick installation is possible. The QUINT UPS with IQ technology energy storage leaves the warehouse fully charged.

Your advantages

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

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Commercial Data

| | |
|--------------------------------------|---------------------|
| Order Key | 2320351 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales Key | CMU |
| Product Key | CMUEL3 |
| Catalog Page | Page 335 (C-4-2019) |
| GTIN | 4046356599054 |
| Weight per Piece (including packing) | 3,980 g |
| Weight per Piece (excluding packing) | 2,900 g |
| Customs tariff number | 85076000 |
| Country of origin | CN |

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 |
| Connection in parallel | 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) |
| Charge 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 |
| 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 |
| Temperature sensor | yes |
| Suitable for fast charging | yes |

Product properties

| | |
|---------------|---|
| 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

| | |
|-----------------|---------------------------------------|
| Color | silver grey |
| 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) |

Approval data

| | |
|--------------|--|
| 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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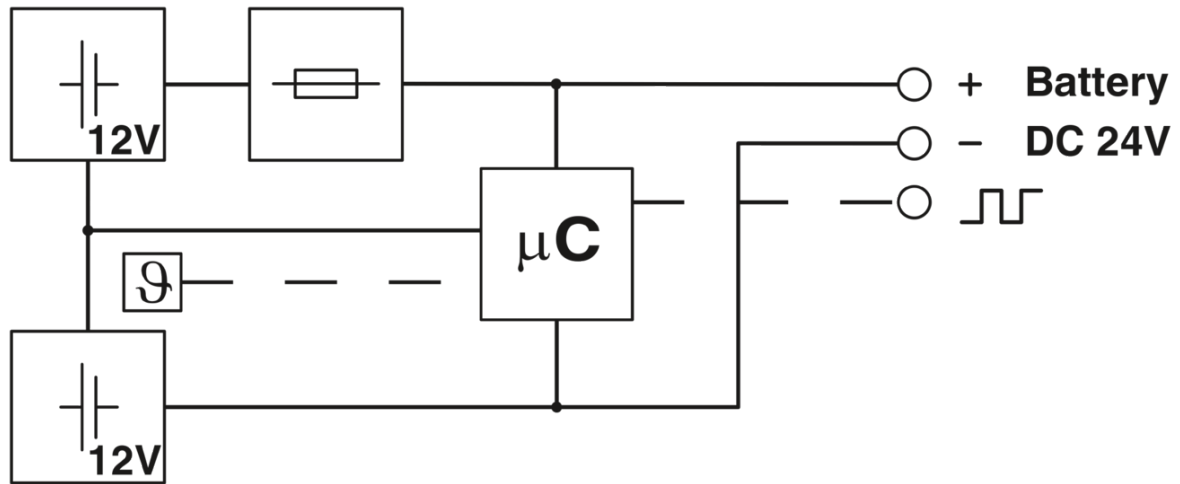


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Drawings

Block diagram



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Approvals

cUL Recognized 

UL Recognized 

UL Listed 

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-9.0 | 27050403 |
| ECLASS-10.0.1 | 27050403 |
| ECLASS-11.0 | 27050403 |

ETIM

| | |
|----------|----------|
| ETIM 6.0 | EC000357 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 19.0 | 26111715 |
| UNSPSC 20.0 | 26111715 |
| UNSPSC 21.0 | 26111715 |

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Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 10; For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

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Accessories

Fuse

Fuse - FUSE 30A/32V ATOF - 2908365

Fuse, nominal current: 30 A. Length: 19.1 mm, width: 5 mm, height: 18.8 mm



Mounting adapter

Mounting adapter - QUINT-ADAPTER/4 - 2866857

Assembly adapter for QUINT-BAT/24DC... on 35mm rail



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