

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



2320351

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

## 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 <sub>4</sub> )
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
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## 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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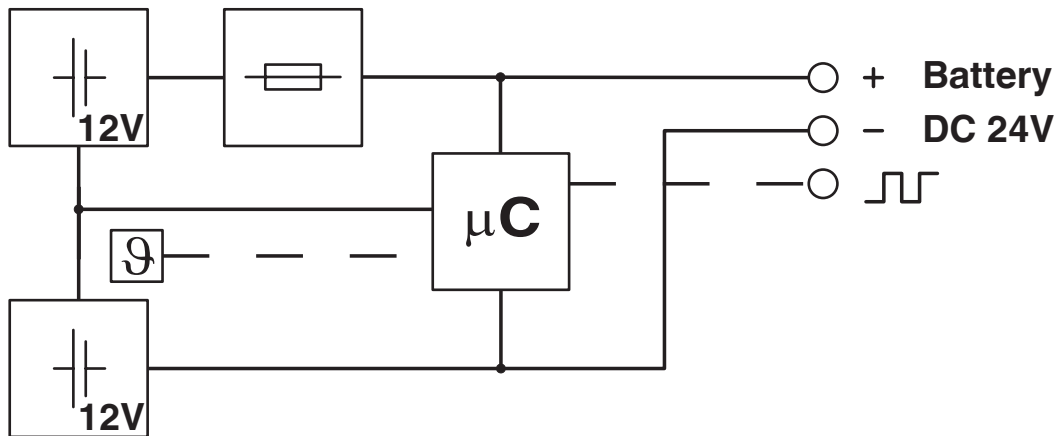


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## Drawings

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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