

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



2320351

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

## Commercial Data

Item number	2320351
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	C17
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

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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
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)
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
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

Product type	Battery unit
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

Color	silver grey
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)

## 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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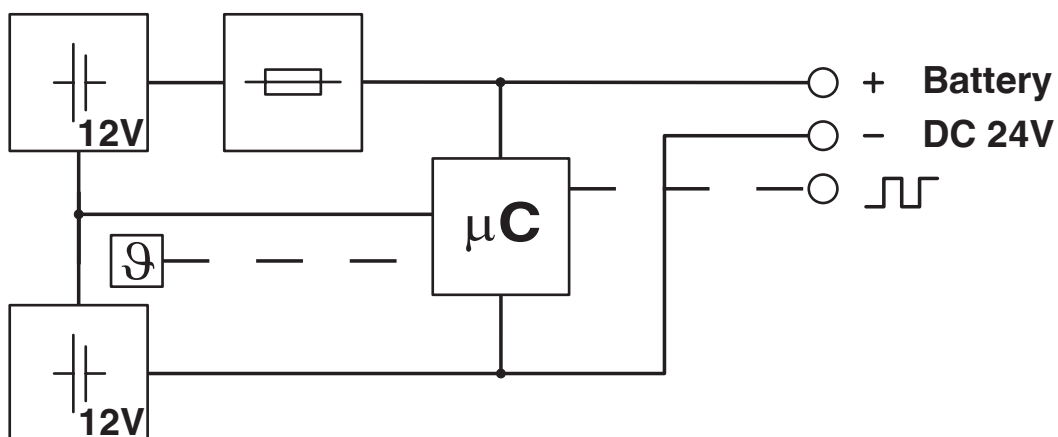


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## Drawings

Block diagram




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## Approvals



**cUL Recognized**  
Approval ID: FILE E 211944




**UL Recognized**  
Approval ID: FILE E 211944




**UL Listed**  
Approval ID: FILE E 123528




**cUL Listed**  
Approval ID: FILE E 123528



**EAC**  
Approval ID: TR\_TS\_D\_00177-20



**cUL Listed**  
Approval ID: FILE E 199827



**UL Listed**  
Approval ID: FILE E 199827

**cULus Recognized**

**cULus Listed**

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC000357
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### UNSPSC

UNSPSC 21.0	26111700
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## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 10;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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## Accessories

### Mounting adapter

Mounting adapter - QUINT-ADAPTER/4 - 2866857

<https://www.phoenixcontact.com/us/products/2866857>

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



### Fuse

Fuse - FUSE 30A/32V ATOF - 2908365

<https://www.phoenixcontact.com/us/products/2908365>

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



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