

# UPS-BAT/PB/24DC/4AH - Energy storage



1274117

<https://www.phoenixcontact.com/in/products/1274117>

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Energy storage, VRLA-AGM, 24 V DC, 4 Ah, 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

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

## Commercial Data

Item number	1274117
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	CMU
Product Key	CMUEV3
GTIN	4063151466619
Weight per Piece (including packing)	4,048 g
Weight per Piece (excluding packing)	3,540 g
Customs tariff number	85072080
Country of origin	CN

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## Technical Data

### Energy storage

Input voltage	24 V DC (SELV)
Output voltage	24 V DC
End-of-charge voltage	27.6 V DC (20 °C)
Output current	max. 25 A
Charging current	1.2 A
Nominal capacity	4 Ah
Buffer time	4.5 min. (20 A) 3 min. (25 A)
Accumulator module service life (according to Eurobat)	6 (20 °C)
Latest startup date (battery only)	6 Months (0 °C ... 20 °C)
Latest startup (battery only) - range	3 Months ... 6 Months (20 °C ... 30 °C) 1 Months ... 3 Months (30 °C ... 40 °C)
Battery type	BB Battery HR4.2-12FR
Battery technology	VRLA-AGM
Storage medium	VRLA-AGM
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.
Connection in parallel	yes
Connection in series	No
IQ-Technology	yes
Temperature sensor	yes
Suitable for fast charging	yes
Output fuse	1x 25 A

### Connection data

#### Conductor connection

Connection method	Screw connection
rigid	4 mm <sup>2</sup> ... 6 mm <sup>2</sup>
flexible	4 mm <sup>2</sup>
rigid (AWG)	12 (Cu)
Stripping length	8 mm
Tightening torque	0.5 Nm ... 0.6 Nm 5 lb <sub>f</sub> -in. ... 7 lb <sub>f</sub> -in.
Drive form screw head	Slotted L

### Product properties

Product type	Battery unit
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Product family	Energy storage
Application	for QUINT4 DC-UPS, QUINT4 AC-UPS, QUINT-UPS, and TRIO-UPS-2G
Disposal	Used batteries must not be thrown away with household waste, they should instead be disposed of in accordance with applicable national regulations.

## Insulation characteristics

Protection class	III
Degree of pollution	2

## Dimensions

Width	85 mm
Height	191 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 (storage/transport)	-20 °C ... 40 °C
Ambient temperature (charge)	0 °C ... 40 °C
Ambient temperature (discharge)	-20 °C ... 50 °C
Max. permissible relative humidity (operation)	≤ 95 %
Shock	15g, 11 ms, in each space direction (in accordance with IEC 60068-2-27)
Vibration (operation)	5 Hz ... 100 Hz, 0.7g (in accordance with DNV/IEC 600068-2-6)

## Approvals

### UL

Identification	UL/C-UL Listed UL 61010-1
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### UL

Identification	UL/C-UL Listed ANSI/UL 121201 Class I, Division 2, Groups A, B, C, D (Hazardous Location)
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### Shipbuilding

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Identification	DNV
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## Shipbuilding

Identification	ABS
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## Shipbuilding

Identification	LR
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## Shipbuilding

Identification	BV
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## Ex data

Suited for EX-applications	No
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## Approvals



**EAC**

Approval ID: RU\*DE\*01.B.78948/21



**cULus Listed**

Approval ID: FILE E 123528



**LR**

Approval ID: LR22136091TA



**BV**

Approval ID: 41516/B0 BV



**IECEE CB Scheme**

Approval ID: DK-134807-A1-UL



**cULus Listed**

Approval ID: FILE E 199827

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## Classifications

### ECLASS

ECLASS-11.0	27050403
ECLASS-12.0	27050403
ECLASS-13.0	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 = 8
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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## Accessories

### QUINT-ADAPTER/4 - Mounting adapter

2866857

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

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



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### FUSE 25A/32V ATOF - Fuse

2908366

<https://www.phoenixcontact.com/in/products/2908366>

Fuse, nominal current: 25 A, length: 19.1 mm, width: 5 mm, height: 18.8 mm





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## UPS-BAT-KIT/PB/2X12V/4AH - Uninterruptible power supply replacement battery

1283116

<https://www.phoenixcontact.com/in/products/1283116>



Replacement battery, VRLA-AGM, 2x12 V DC, 4 Ah. Only for 1274117 UPS-BAT/PB/24DC/4AH, 2320267 QUINT-UPS/24DC/24DC/10/3.4AH from V/C 06, 2905908 TRIO-UPS-2G/1AC/1AC/120V/750VA, and 2905909 TRIO-UPS-2G/1AC/1AC/230V/750VA

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