

UPS-BAT/PB/24DC/1.2AH - Battery module



1274520

<https://www.phoenixcontact.com/pc/products/1274520>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Battery module (device with battery), VRLA-AGM, 24 V DC, 1.2 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 battery module and tool-free switching during operation, quick installation is possible. The battery modules for QUINT UPS with IQ Technology are fully charged before being sent to our warehouse.

Your advantages

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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1274520 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | CMUEV3 |
| GTIN | 4063151466640 |
| Weight per piece (including packing) | 2,275 g |
| Weight per piece (excluding packing) | 1,840 g |
| Customs tariff number | 85072080 |
| Country of origin | CN |

UPS-BAT/PB/24DC/1.2AH - Battery module



1274520

<https://www.phoenixcontact.com/pc/products/1274520>

Technical data

Notes

General

| | |
|---------------------|---|
| Note on the battery | This product contains a battery with a limited shelf life that must be charged every few months. The product packaging indicates when the battery must be started up or recharged. The general shelf life can be found in the energy storage devices area under "Latest startup". |
|---------------------|---|

Energy storage

Input

| | |
|-----------------------|-------------------|
| Input voltage | 24 V DC (SELV) |
| Nominal capacity | 1.2 Ah |
| Charging current | 0.36 A |
| End-of-charge voltage | 27.6 V DC (20 °C) |

Output

| | |
|----------------|-----------------------------|
| Output voltage | 24 V DC |
| Output current | max. 15 A |
| Output fuse | 1x 15 A |
| Buffer time | 20 min (2 A) 5 min (5 A) |

General

| | |
|--|---|
| Connection in parallel | yes max. 5 |
| Connection in series | no |
| Battery type | BB Battery BP1.2-12FR |
| Battery technology | VRLA-AGM |
| IQ-Technology | yes |
| Latest startup date (battery only) | 3 Months (0 °C ... 20 °C) 1 Months (30 °C ... 40 °C) |
| Latest startup (battery only) - range | 1 Months ... 3 Months (20 °C ... 30 °C) |
| Accumulator module service life (according to Eurobat) | 6 (20 °C) |
| Size designation | Block |
| Battery pack | yes |
| Suitable for fast charging | yes |
| Temperature sensor | yes |
| Number of replacement battery kits | 1x (UPS-BAT-KIT/PB/2X12V/1.2AH (1283114)) |

Connection data

Battery

| | |
|----------|-----|
| Position | 4.x |
|----------|-----|

UPS-BAT/PB/24DC/1.2AH - Battery module



1274520

<https://www.phoenixcontact.com/pc/products/1274520>

Connection technology

| | |
|------------------|------------------|
| Position marking | 4.1 (+), 4.2 (-) |
|------------------|------------------|

Conductor connection

| | |
|-----------------------|---|
| Connection method | Screw connection |
| rigid | 0.2 mm ² ... 4 mm ² |
| | 2.5 mm ² ... 4 mm ² (recommended) |
| flexible | 0.2 mm ² ... 2.5 mm ² |
| | 2.5 mm ² (recommended) |
| AWG | 24 ... 12 |
| | 14 ... 12 (recommended) |
| Stripping length | 8 mm (recommended) |
| | 8 mm |
| Tightening torque | 0.5 Nm ... 0.6 Nm |
| | 5 lb _f in. ... 7 lb _f in. |
| Drive form screw head | Slotted L |

LIN

| | |
|----------|-----|
| Position | 4.x |
|----------|-----|

Connection technology

| | |
|------------------|----------|
| Position marking | 4.3 (JLJ |
|------------------|----------|

Conductor connection

| | |
|-----------------------|---|
| Connection method | Screw connection |
| rigid | 0.2 mm ² ... 4 mm ² (LIN) |
| flexible | 0.2 mm ² ... 2.5 mm ² (LIN) |
| AWG | 24 ... 12 (LIN) |
| Stripping length | 8 mm (LIN) |
| Tightening torque | 0.5 Nm ... 0.6 Nm (LIN) |
| | 5 lb _f in. ... 7 lb _f in. (LIN) |
| Drive form screw head | Slotted L |

Product properties

| | |
|----------------|---|
| Product family | Battery module (device with battery) |
| Application | for QUINT4 DC-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

Item dimensions

UPS-BAT/PB/24DC/1.2AH - Battery module



1274520

<https://www.phoenixcontact.com/pc/products/1274520>

| | |
|--------|--------|
| Width | 54 mm |
| Height | 157 mm |
| Depth | 113 mm |

Drill hole

| | |
|----------|------|
| Diameter | 5 mm |
|----------|------|

Installation dimensions

| | |
|----------------------------------|-------------|
| Installation distance right/left | 0 mm / 0 mm |
| Installation distance top/bottom | 5 mm / 5 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 (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 60068-2-6) |

Approvals

UL

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

UL

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

Shipbuilding

| | |
|----------------|-----|
| Identification | DNV |
|----------------|-----|

Shipbuilding

| | |
|----------------|-----|
| Identification | ABS |
|----------------|-----|

Shipbuilding

| | |
|----------------|----|
| Identification | LR |
|----------------|----|

Shipbuilding

UPS-BAT/PB/24DC/1.2AH - Battery module



1274520

<https://www.phoenixcontact.com/pc/products/1274520>

Identification

BV

Ex data

Suited for EX-applications

no

UPS-BAT/PB/24DC/1.2AH - Battery module

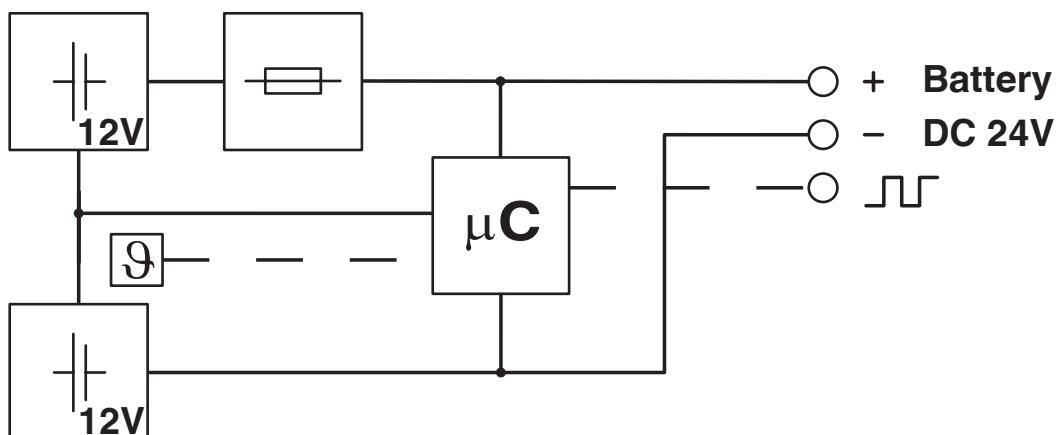


1274520

<https://www.phoenixcontact.com/pc/products/1274520>

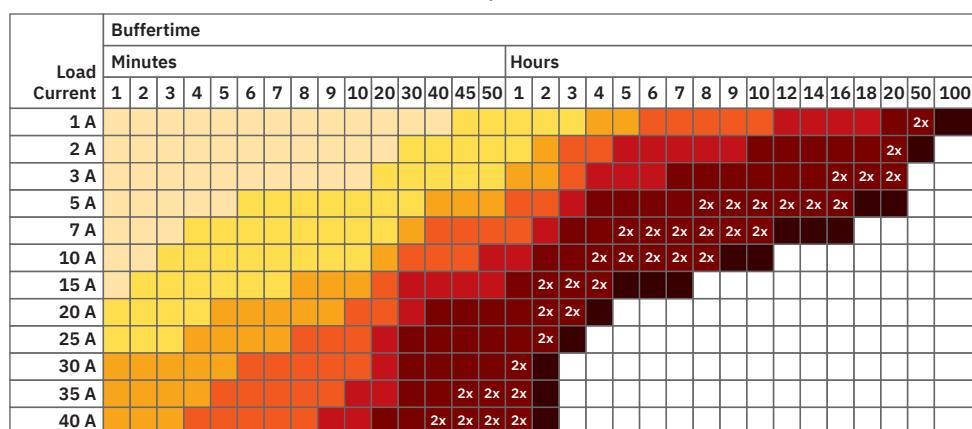
Drawings

Block diagram



Block diagram

Graphic



2x: In this case, two battery modules of the same capacity are required. The data is based on an ambient temperature of +25 °C at the start of use.

1274520 UPS-BAT/PB/24DC/1.2AH

1274119 UPS-BAT/PB/24DC/12AH

1474660 UPS-BAT/PB/24DC/110AH

1274117 UPS-BAT/PB/24DC/4AH

1348516 UPS-BAT/PB/24DC/20AH

1274118 UPS-BAT/PB/24DC/7AH

1354641 UPS-BAT/PB/24DC/40AH

Lead battery buffer times for QUINT DC UPS

UPS-BAT/PB/24DC/1.2AH - Battery module



1274520

<https://www.phoenixcontact.com/pc/products/1274520>

Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1274520>

ABS

Approval ID: 22-2244289-PDA



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

DNV

Approval ID: TAA0000265

| | Nominal voltage U_N | Nominal current I_N | Cross section AWG | Cross section mm^2 |
|-------|-----------------------|-----------------------|-------------------|----------------------|
| keine | 500 V | 41 A | - | - 6 |



IECEE CB Scheme

Approval ID: DK-134807-A1-UL



cULus Listed

Approval ID: FILE E 199827

UPS-BAT/PB/24DC/1.2AH - Battery module



1274520

<https://www.phoenixcontact.com/pc/products/1274520>

Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27050403 |
| ECLASS-15.0 | 27050403 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC003893 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26111700 |
|-------------|----------|

UPS-BAT/PB/24DC/1.2AH - Battery module



1274520

<https://www.phoenixcontact.com/pc/products/1274520>

Environmental product compliance

EU RoHS

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

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-8 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.) | Diboron trioxide(CAS: 1303-86-2) Lead monoxide (lead oxide)(CAS: 1317-36-8) Lead(CAS: 7439-92-1) |
| SCIP | db7d1870-c776-4a04-810c-10eed5bb3e7f |

EF3.1 Climate Change

| | |
|---------|---------------|
| CO2e kg | 20.89 kg CO2e |
|---------|---------------|

UPS-BAT/PB/24DC/1.2AH - Battery module



1274520

<https://www.phoenixcontact.com/pc/products/1274520>

Accessories

QUINT-ADAPTER/4 - Mounting adapter

2866857

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

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



FUSE 15A/32V FK1 - Fuse

2908360

<https://www.phoenixcontact.com/pc/products/2908360>

Fuse, nominal current: 15 A, length: 11.9 mm, width: 3.8 mm, height: 16.2 mm



UPS-BAT/PB/24DC/1.2AH - Battery module



1274520

<https://www.phoenixcontact.com/pc/products/1274520>

UPS-BAT-KIT/PB/2X12V/1.2AH - Uninterruptible power supply replacement battery

1283114

<https://www.phoenixcontact.com/pc/products/1283114>

Replacement battery, VRLA-AGM, 2x12 V DC, 1.2 Ah. Only for 1274520 UPS-BAT/PB/24DC/1.2AH and 2320254 QUINT-UPS/24DC/24DC/5/1.3AH from V/C 05



Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com