

# QUINT-BAT/24DC/12AH - Battery module



2866365

<https://www.phoenixcontact.com/us/products/2866365>

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Battery module, lead AGM, VRLA technology, 24 V DC, 12 Ah. Connection via pin cable lug, 14 mm.

## Product description

QUINT-BAT – battery module with lead AGM technology for maximum buffer times.

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2866365       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | CM24          |
| Product key                          | CMUEV3        |
| GTIN                                 | 4017918959760 |
| Weight per piece (including packing) | 10,052 g      |
| Weight per piece (excluding packing) | 9,000 g       |
| Customs tariff number                | 85072080      |
| Country of origin                    | CN            |

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## 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". |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Input data

|               |         |
|---------------|---------|
| Input voltage | 24 V DC |
|---------------|---------|

### Output data

|                          |                                       |
|--------------------------|---------------------------------------|
| Nominal output voltage   | 24 V DC                               |
| Output current $I_{max}$ | 50 A                                  |
| Output fuse              | 2x 25 A                               |
| Connection in parallel   | yes, for increasing the buffer period |
| Connection in series     | no                                    |

### Battery operation

|                                  |         |
|----------------------------------|---------|
| Nominal output voltage           | 24 V DC |
| Nominal output current ( $I_N$ ) | 50 A    |

### Energy storage

|                                    |                                                          |
|------------------------------------|----------------------------------------------------------|
| Nominal capacity                   | 12 Ah                                                    |
| Service life                       | 6 Years ... 9 Years (20 °C)                              |
| Latest startup date (battery only) | 9 Months (20 °C ... 30 °C)<br>6 Months (30 °C ... 40 °C) |
| Battery technology                 | VRLA-AGM                                                 |
| Memory medium                      | Battery 12 Ah                                            |
| Number of cells                    | 2                                                        |
| Size designation                   | Block                                                    |
| Battery pack                       | yes                                                      |
| IQ technology                      | no                                                       |
| Suitable for fast charging         | yes                                                      |

### Product properties

|                |                                                                                                                                                     |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Product type   | Battery module                                                                                                                                      |
| Product family | Battery module (device with battery)                                                                                                                |
| Application    | for QUINT DC-UPS 20A/40A                                                                                                                            |
| 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  | no                                                                                                                                                  |

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## Insulation characteristics

|                  |     |
|------------------|-----|
| Protection class | III |
|------------------|-----|

## Dimensions

|        |        |
|--------|--------|
| Width  | 231 mm |
| Height | 156 mm |
| Depth  | 110 mm |

## Material specifications

|                  |                          |
|------------------|--------------------------|
| Housing material | Metal                    |
| Type of housing  | Steel sheet, zinc-plated |

## Environmental and real-life conditions

### Ambient conditions

|                                         |                |
|-----------------------------------------|----------------|
| Degree of protection                    | IP20           |
| Ambient temperature (operation)         | 0 °C ... 40 °C |
| Ambient temperature (storage/transport) | 0 °C ... 40 °C |

## Approvals

|                       |                |
|-----------------------|----------------|
| Shipbuilding approval | DNV GL (EMC A) |
|-----------------------|----------------|

## Ex data

|                            |    |
|----------------------------|----|
| Suited for EX-applications | no |
|----------------------------|----|

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## Drawings

Block diagram



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## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2866365>



**EAC**

Approval ID: RU S-DE.BL08.W.00764



**EAC**

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

**DNV**

Approval ID: TAA00002EW

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## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                                                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-3                                                                                                                                                                                                                            |
|                                        | 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)                 |
| SCIP                                | 01112eb6-d6db-48de-8faa-e314cccd0e33 |

### EF3.1 Climate Change

|         |               |
|---------|---------------|
| CO2e kg | 25.02 kg CO2e |
|---------|---------------|

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