# TRIO-BAT/PB/24DC/4AH - Battery module

1394730

https://www.phoenixcontact.com/us/products/1394730

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Battery module (device with battery), VRLA-AGM, 24 V DC, 4 Ah

## Product description

The perfect addition to the TRIO UPS modules. Battery modules with lead AGM technology are fully charged before being sent to our warehouse.

## Your advantages

- Long buffer times under normal conditions
- Convenient panel mounting or DIN rail mounting
- Comprehensive approval package, compatible with TRIO UPS
- TRIO UPS modules have a uniform design
- Easy handling with preassembled cables and fuse holders
- Immediate availability: All energy storage systems leave our warehouse fully charged

ELEKTROGERÄTE RÜCKNAHME

## Commercial data

| | |
|---|---|
| Item number | 1394730 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | CM24 |
| Weight per piece (excluding packing) | 4,286 g |
| Customs tariff number | 85072080 |
| Country of origin | CN |

# 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 | 4 Ah |
| Charging current | max. 1.2 A |
| End-of-charge voltage | 27.6 V (20 °C) |

### Output

| | |
|---|---|
| Output current | max. 25 A |
| Output fuse | 1x 25 A T 25A 32V, ATOF 287 from Littelfuse |
| Buffer time | 4.5 min (20 A) |
| | 3 min (25 A) |
| End-of-discharge voltage | 19.2 V |

### General

| | |
|---|---|
| Connection in parallel | yes |
| Battery type | BB Battery HR4.2-12FR |
| Battery technology | VRLA-AGM |
| IQ-Technology | no |
| Latest startup date (battery only) | 9 Months (-20 °C ... 20 °C) |
| | 6 Months (25 °C) |
| | 3 Months (30 °C) |
| Service life | 6 Years (20 °C) |
| Size designation | Block |
| Temperature sensor | no |

## Product properties

| | |
|---|---|
| Product type | Battery module |
| Product family | Battery module (device with battery) |
| Application | 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

| | |
|---|---|
| Width | 115 mm |
| Height | 154 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 type | DIN rail mounting |
| Mounting position | horizontal DIN rail NS 35, EN 60715 |

## Material specifications

| | |
|---|---|
| Housing material | Metal |

## Cable/line

Battery connecting cable:

| | |
|---|---|
| Cable cross section | 4 mm² |
| Cable length | 2000 mm |
| Color | red |

Battery connecting cable:

| | |
|---|---|
| Cable cross section | 4 mm² |
| Cable length | 2000 mm |
| Color | black |

## Environmental and real-life conditions

Ambient conditions

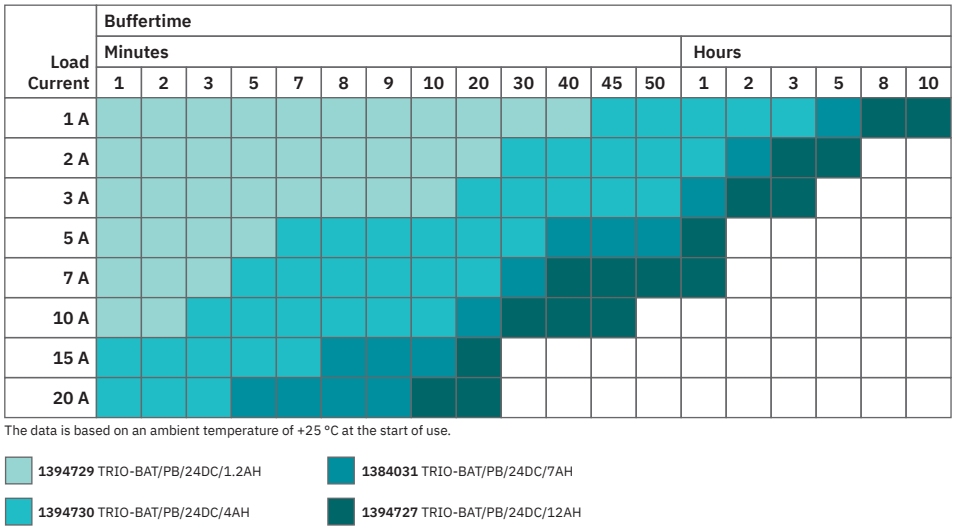
| | |
|---|---|
| Degree of protection | IP20 |
| Ambient temperature (storage/transport) | -20 °C ... 40 °C |
| Ambient temperature (charge) | 0 °C ... 40 °C |
| Ambient temperature (discharge) | -20 °C ... 50 °C |
| Max. permissible relative humidity (operation) | ≤ 95 % |

## Ex data

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

## Drawings

Graphic




The data is based on an ambient temperature of +25 °C at the start of use.

**1394729** TRIO-BAT/PB/24DC/1.2AH

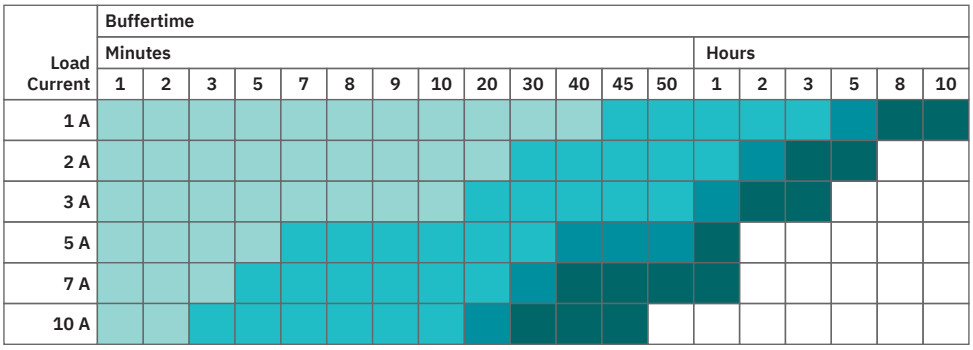
**1384031** TRIO-BAT/PB/24DC/7AH

**1394730** TRIO-BAT/PB/24DC/4AH

**1394727** TRIO-BAT/PB/24DC/12AH

TRIO battery buffer times for TRIO UPS 2G

Graphic




The data is based on an ambient temperature of +25 °C at the start of use.

**1394729** TRIO-BAT/PB/24DC/1.2AH

**1384031** TRIO-BAT/PB/24DC/7AH

**1394730** TRIO-BAT/PB/24DC/4AH

**1394727** TRIO-BAT/PB/24DC/12AH

TRIO battery buffer times for TRIO3 UPS

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental product compliance

EU RoHS

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

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.) | Lead(CAS: 7439-92-1) |

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