

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



1394730

<https://www.phoenixcontact.com/pc/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

## Commercial data

Item number	1394730
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CMUEV3
GTIN	4063151776831
Weight per piece (including packing)	4,513 g
Weight per piece (excluding packing)	3,778 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".
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### 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)
Accumulator module service life (according to Eurobat)	6 (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

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Protection class	III
Degree of pollution	2

## Dimensions

### Item dimensions

Width	115 mm
Height	154 mm
Depth	113 mm

### Drill hole

Diameter	5 mm
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### 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
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## Cable/line

### Battery connecting cable:

Cable cross section	4 mm <sup>2</sup>
AWG/kcmil	12
Cable length	2000 mm
Color	red

### Battery connecting cable:

Cable cross section	4 mm <sup>2</sup>
AWG/kcmil	12
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

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Suited for EX-applications	no
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## Drawings

### Graphic

Load Current	Buffertime																		
	Minutes													Hours					
	1	2	3	5	7	8	9	10	20	30	40	45	50	1	2	3	5	8	10
1 A	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729
2 A	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729
3 A	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729
5 A	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729
7 A	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729
10 A	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729
15 A	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729
20 A	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729	1394729

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 DC UPS

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/1394730>



**IECEE CB Scheme**  
Approval ID: DK-139600-UL



**cULus Listed**  
Approval ID: E123528

**DNV**

Approval ID: TAA00002EW



**IECEE CB Scheme**  
Approval ID: DK-139600-UL



**cULus Listed**  
Approval ID: E123528

**DNV**

Approval ID: TAA00002EW



**cULus Listed**  
Approval ID: E199827-20230421



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## Classifications

### ECLASS

ECLASS-13.0	27050403
ECLASS-15.0	27050403

### ETIM

ETIM 9.0	EC003893
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### UNSPSC

UNSPSC 21.0	26111700
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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### EF3.0 Climate Change

CO2e kg	18.11 kg CO2e
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