

# TRIO-BAT/PB/24DC/1.2AH - Battery module



1394729

<https://www.phoenixcontact.com/gb/products/1394729>

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Battery module (device with battery), VRLA-AGM, 24 V DC, 1.2 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	1394729
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CMUEV3
Product key	CMUEV3
GTIN	4063151776725
Weight per piece (including packing)	2,229 g
Weight per piece (excluding packing)	1,972 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	1.2 Ah
Charging current	max. 0.36 A
End-of-charge voltage	27.6 V (20 °C)

#### Output

Output current	max. 15 A
Output fuse	1x 15 A T 15A 32V, ATOF 287 from Littelfuse
Buffer time	20 min (2 A) 5 min (5 A)
End-of-discharge voltage	19.2 V

#### General

Connection in parallel	yes
Battery type	BB Battery BP1.2-12FR
Battery technology	VRLA-AGM
IQ-Technology	no
Latest startup date (battery only)	6 Months (-20 °C ... 20 °C) 3 Months (25 °C) 1 Months (30 °C)
Service life	6 Years (20 °C)
Size designation	Block
Temperature sensor	no

### Product properties

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
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Degree of pollution	2
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## Dimensions

### Item dimensions

Width	52 mm
Height	141 mm
Depth	108 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
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## Cable/line

### Battery connecting cable:

Cable cross section	2.5 mm <sup>2</sup>
Cable length	2000 mm
Color	red

### Battery connecting cable:

Cable cross section	2.5 mm <sup>2</sup>
Cable length	2160 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
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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	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
2 A	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
3 A	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
5 A	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
7 A	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
10 A	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
15 A	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue
20 A	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue	Light Blue

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

### Graphic

Load Current	Buffertime for 24 V DC system										
	Minutes										Hour
	8	9	10	15	20	25	30	40	45	50	1
0.5 A	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
1 A	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
1.5 A	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow
2 A	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow	Yellow

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

- 2866666 MINI-BAT/24DC/0.8AH
- 1394729 TRIO-BAT/PB/24DC/1.2AH

### TRIO battery buffer times for MINI DC UPS

# TRIO-BAT/PB/24DC/1.2AH - Battery module



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1394729>



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

**DNV**

Approval ID: TAA00002EW



**cULus Listed**  
Approval ID: E123528



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

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## Classifications

### ECLASS

ECLASS-13.0	27050403
ECLASS-15.0	27050403

### ETIM

ETIM 10.0	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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### EF3.1 Climate Change

CO2e kg	17.35 kg CO2e
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