

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

Partnumber: GM 1394730



Description

The perfect addition to the 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 UPS
- 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

Weight per piece (including packing)	4.310 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)	6 Months (0 °C ... 20 °C)
Latest startup (battery only) - range	3 Months ... 6 Months (20 °C ... 30 °C) 1 Months ... 3 Months (30 °C ... 40 °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
Application	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.

Data management status

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Article revision	02
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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
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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 ²
AWG/kcmil	12
Cable length	2000 mm
Color	red

Battery connecting cable:

Cable cross section	4 mm ²
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

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

Battery buffer times for DC UPS

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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/dk/produkter/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



cULus Listed

Approval ID: E199827-20230421

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Classifications

ECLASS

ECLASS-11.0	27050403
ECLASS-13.0	27050403

ETIM

ETIM 9.0	EC000357
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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.
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EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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