

TRIO-BAT/PB/24DC/12AH - Battery module



1394727

<https://www.phoenixcontact.com/gb/products/1394727>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Battery module (device with battery), VRLA-AGM, 24 V DC, 12 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	1394727
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CMUEV3
Product key	CMUEV3
GTIN	4063151777555
Weight per piece (including packing)	10,190 g
Weight per piece (excluding packing)	9,671 g
Customs tariff number	85072080
Country of origin	CN

TRIO-BAT/PB/24DC/12AH - Battery module



1394727

<https://www.phoenixcontact.com/gb/products/1394727>

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	12 Ah
Charging current	max. 3.6 A
End-of-charge voltage	27.6 V (20 °C)

Output

Output current	max. 50 A
Output fuse	2x 25 A T 25A 32V, ATOF 287 from Littelfuse
Buffer time	21 min (20 A) 8 min (40 A)
End-of-discharge voltage	19.2 V

General

Connection in parallel	yes
Battery type	BB Battery BP 12-12FR
Battery technology	VRLA-AGM
IQ-Technology	no
Latest startup date (battery only)	12 Months (-20 °C ... 20 °C) 9 Months (25 °C) 6 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

TRIO-BAT/PB/24DC/12AH - Battery module



1394727

<https://www.phoenixcontact.com/gb/products/1394727>

Protection class	III
Degree of pollution	2

Dimensions

Item dimensions

Width	233 mm
Height	159 mm
Depth	114 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	Panel mounting, optional DIN rail mounting
---------------	--------------------------------------------

Material specifications

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

Cable/line

Battery connecting cable:

Cable cross section	6 mm ²
AWG/kcmil	10
Cable length	1990 mm
Color	red

Battery connecting cable:

Cable cross section	6 mm ²
AWG/kcmil	10
Cable length	1990 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
----------------------------	----

TRIO-BAT/PB/24DC/12AH - Battery module



1394727

<https://www.phoenixcontact.com/gb/products/1394727>

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
1 A																		
2 A																		
3 A																		
5 A																		
7 A																		
10 A																		
15 A																		
20 A																		

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

TRIO-BAT/PB/24DC/12AH - Battery module

1394727

<https://www.phoenixcontact.com/gb/products/1394727>



Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1394727>



IECEE CB Scheme

Approval ID: DK-139600-UL

DNV

Approval ID: TAA00002EW



cULus Listed

Approval ID: E123528



cULus Listed

Approval ID: E199827-20230421

TRIO-BAT/PB/24DC/12AH - Battery module

1394727

<https://www.phoenixcontact.com/gb/products/1394727>



Classifications

ECLASS

ECLASS-13.0	27050403
-------------	----------

ETIM

ETIM 9.0	EC003893
----------	----------

TRIO-BAT/PB/24DC/12AH - Battery module

1394727

<https://www.phoenixcontact.com/gb/products/1394727>



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)
-------------------------------------	----------------------

EF3.0 Climate Change

CO2e kg	27.51 kg CO2e
---------	---------------

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd

Halesfield 13, Telford

Shropshire, TF7 4PG

01952 681700

info@phoenixcontact.co.uk