

UPS-BAT/PB/24DC/110AH - Battery module



1474660

<https://www.phoenixcontact.com/us/products/1474660>

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Battery module (device with battery), VRLA-AGM, 24 V DC, 110 Ah



Product description

For continuous monitoring and intelligent management, there is constant communication with the QUINT UPS. Thanks to automatic detection of the battery module and tool-free switching during operation, quick installation is possible. The battery modules for QUINT UPS with IQ Technology are fully charged before being sent to our warehouse.

Commercial data

Item number	1474660
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CM24
Product key	CMUEV3
GTIN	4063151887711
Weight per piece (including packing)	68,660 g
Weight per piece (excluding packing)	68,000 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	110 Ah
Charging current	32.4 A
End-of-charge voltage	27.6 V (20 °C)

Output

Output current	max. 45 A
Output fuse	2x 25 A
Buffer time	280 min (20 A)
	130 min (40 A)

General

Connection in parallel	yes
	max. 3
Battery type	BB Battery BP MPL110-FR
Battery technology	VRLA-AGM
IQ-Technology	yes
Latest startup date (battery only)	12 Months (0 °C ... 20 °C)
Latest startup (battery only) - range	9 Months ... 12 Months (20 °C ... 30 °C)
	6 Months ... 9 Months (30 °C ... 40 °C)
Service life	10 Years (20 °C)
Size designation	Block
Battery pack	yes
Suitable for fast charging	yes
Temperature sensor	yes

Connection data

Conductor connection

Connection method	Push-in connection
rigid	10 mm ² ... 16 mm ² (recommended)
	0.75 mm ² ... 16 mm ²
flexible	10 mm ² ... 16 mm ² (recommended)

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	0.75 mm ² ... 16 mm ²
AWG	8 ... 4 (recommended)
	20 ... 4
Stripping length	18 mm

Conductor connection

Connection method	Push-in connection
rigid	0.75 mm ² ... 16 mm ² (LIN)
flexible	0.75 mm ² ... 16 mm ² (LIN)
AWG	20 ... 4
Stripping length	18 mm

Product properties

Product type	Battery module
Product family	Battery module (device with battery)
Application	for QUINT4-UPS
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	350 mm
Height	214 mm
Depth	332 mm

Drill hole

Diameter	5 mm
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Installation dimensions

Installation distance right/left	0 mm / 0 mm
Installation distance top/bottom	50 mm / 50 mm

Mounting

Mounting type	Base mounting
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Cable/line

Battery connecting cable:

Cable cross section	6 mm ²
Cable length	265 mm
Color	red/black

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Battery connecting cable:

Cable cross section	6 mm²
Cable length	265 mm
Color	red/black

Environmental and real-life conditions

Ambient conditions

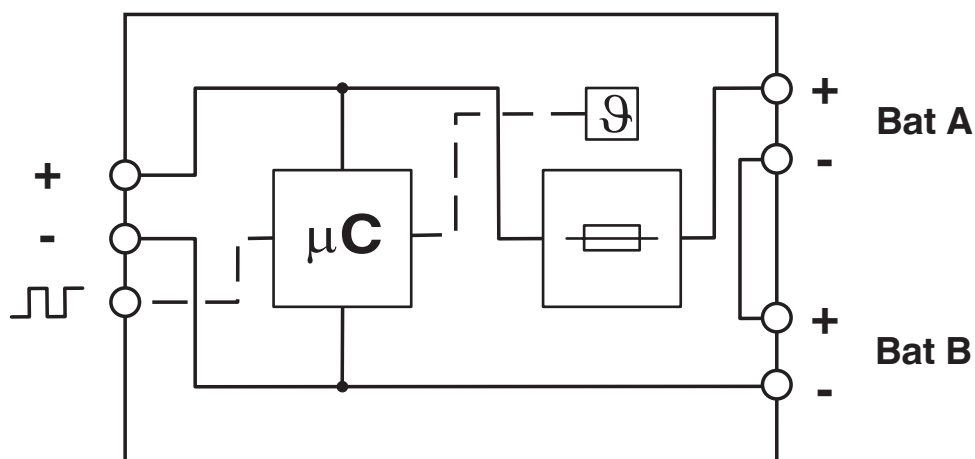
Degree of protection	IP20
Ambient temperature (storage/transport)	-20 °C ... 40 °C
Ambient temperature (charge)	0 °C ... 50 °C
Ambient temperature (discharge)	-20 °C ... 50 °C
Max. permissible relative humidity (operation)	≤ 95 %

Ex data

Suited for EX-applications	no
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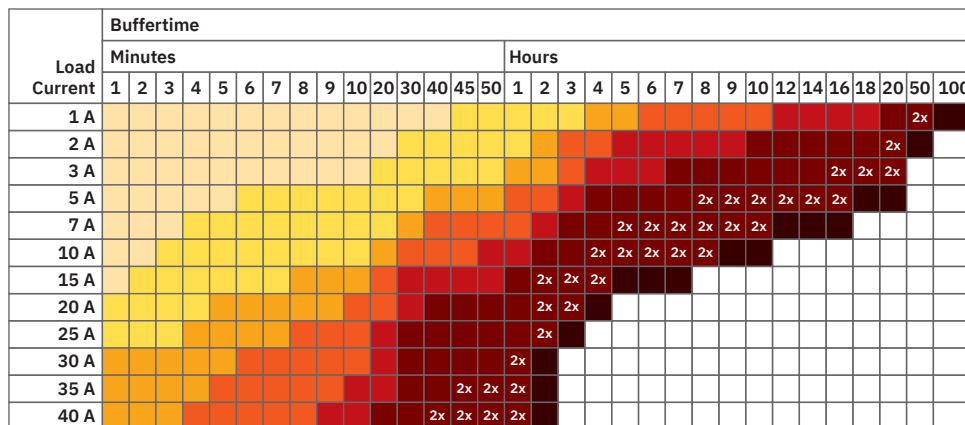
Drawings

Block diagram



Block diagram

Graphic



2x: In this case, two battery modules of the same capacity are required. The data is based on an ambient temperature of +25 °C at the start of use.

 1274520 UPS-BAT/PB/24DC/1.2AH	 1274119 UPS-BAT/PB/24DC/12AH	 1474660 UPS-BAT/PB/24DC/110AH
 1274117 UPS-BAT/PB/24DC/4AH	 1348516 UPS-BAT/PB/24DC/20AH	
 1274118 UPS-BAT/PB/24DC/7AH	 1354641 UPS-BAT/PB/24DC/40AH	

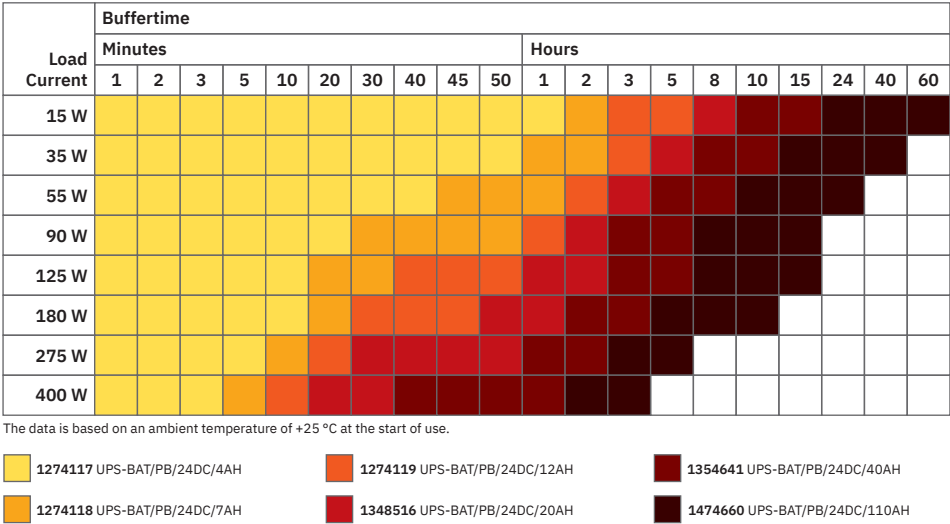
Lead battery buffer times for QUINT DC UPS

UPS-BAT/PB/24DC/110AH - Battery module



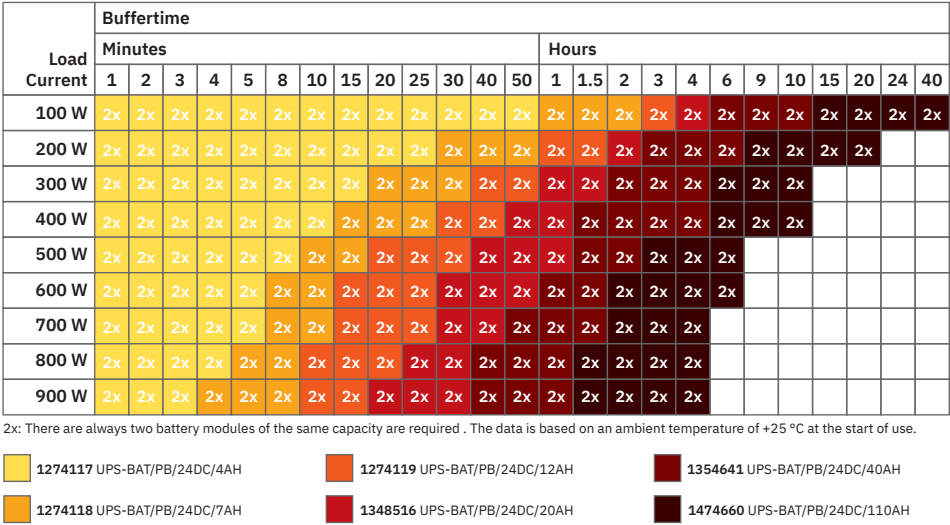
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Graphic



Lead battery buffer times for QUINT AC UPS 500 VA

Graphic



Buffer times for QUINT AC UPS 1 kVA

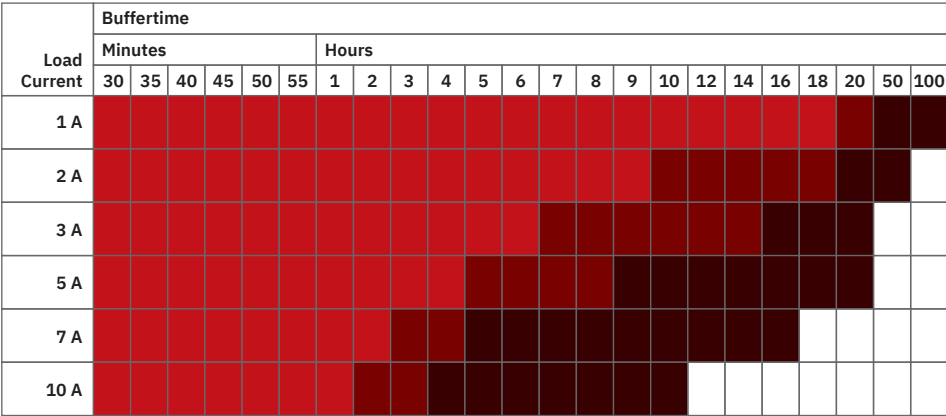
UPS-BAT/PB/24DC/110AH - Battery module



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Graphic



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



Lead battery buffer times for TRIO3 UPS
The battery module is compatible with the following TRIO3 UPSs: 1359610 and 1359604

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Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1474660>



cULus Listed

Approval ID: E123528-20220210



IECEE CB Scheme

Approval ID: DK-124876-M1-UL



cULus Listed

Approval ID: E199827-20220302

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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
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-10
	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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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com