

1348516

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Battery module (device with battery), VRLA-AGM, 24 V DC, 20 Ah, automatic detection and communication with QUINT UPS-IQ

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.

Your advantages

- Maximum buffer times
- Consists of 2 x 12 V battery modules and an electronic monitoring unit
- · Lead AGM (Absorbent Glass Mat) technology

Commercial data

Item number	1348516
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CM24
Product key	CMUEV3
GTIN	4063151665951
Weight per piece (including packing)	13,400 g
Weight per piece (excluding packing)	13,200 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".

Energy storage

Input

Input voltage	24 V DC (SELV)
Nominal capacity	20 Ah
Charging current	6 A
End-of-charge voltage	27.6 V (20 °C)

Output

Output voltage	24 V DC
Output current I _{max}	45 A
Output fuse	2x 25 A
Buffer time	82 min (10 A)
	22 min (30 A)

General

Connection in parallel	yes					
	max. 5					
Connection in series	no					
Battery type	BB Battery BP 20-12FR					
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)					
Accumulator module service life (according to Eurobat)	8 (20 °C)					
Storage medium	VRLA-AGM					
Size designation	Block					
Battery pack	yes					
Suitable for fast charging	yes					
Temperature sensor	yes					
Number of replacement battery kits	1x (UPS-BAT-KIT/PB/2X12V/20AH (1185595))					

Connection data

Conductor connection



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Connection method	Push-in connection
rigid	10 mm² 16 mm² (recommended)
	0.75 mm² 16 mm²
flexible	10 mm² 16 mm² (recommended)
	0.75 mm² 16 mm²
AWG	8 4 (recommended)
	20 4
Stripping length	18 mm
Conductor connection	
Connection method	Push-in connection
rigid	0.75 mm² 16 mm² (LIN)
flexible	0.75 mm² 16 mm² (LIN)
AWG	20 4
Stripping length	18 mm
roduct properties	
Product type	Battery module
Product family	Battery module (device with battery)
Application	for QUINT4 DC-UPS, QUINT4 AC-UPS, QUINT-UPS, and TRIC UPS-2G
Disposal	Used batteries must not be thrown away with household waste, they should instead be disposed of in accordance with applicabl national regulations.
Insulation characteristics	
Protection class	III
Degree of pollution	2
mensions	
Item dimensions	
Width	155 mm
Height	168 mm
Depth	183 mm
Drill hole	
Diameter	5 mm
Installation dimensions	
Installation distance right/left	0 mm / 0 mm
Installation distance top/bottom	50 mm / 50 mm
ounting	
Mounting position	Horizontally, on a mounting panel
aterial specifications	
Housing material	Plastic
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Cable/line

Battery	connecting	cable.	A+/-

Cable cross section	6 mm²
Cable length	265 mm
Color	red/black
Battery connecting cable: B+/-	
Cable cross section	6 mm²
Cable cross section Cable length	6 mm² 265 mm

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

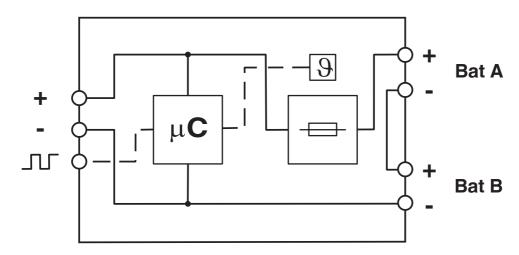


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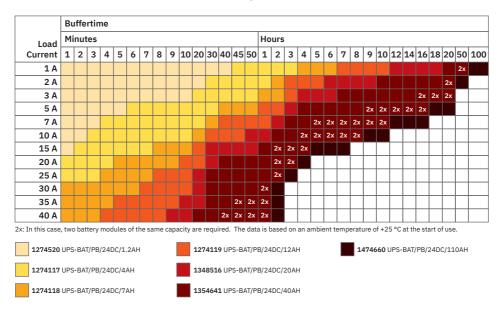
Drawings

Block diagram



Block diagram

Graphic



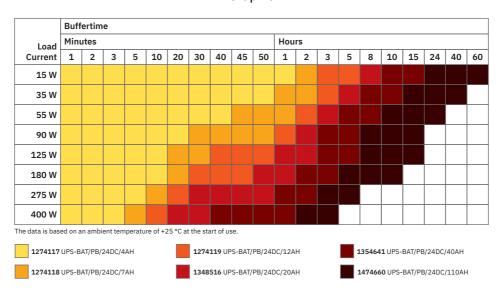
Lead battery buffer times for QUINT DC UPS



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Graphic



Lead battery buffer times for QUINT AC UPS 500 VA

Graphic

	But	fferti	ime																						
Load Minutes								Hours																	
Current	1	2	3	4	5	8	10	15	20	25	30	40	50	1	1.5	2	3	4	6	9	10	15	20	24	40
100 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x
200 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x			2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x		
300 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x				
400 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x				
500 W	2x	2x	2x	2x	2x	2x	2x		2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x						
600 W	2x	2x	2x	2x	2x		2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x						
700 W	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x							
800 W	2x	2x	2x	2x	2x		2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x							
900 W	2x	2x	2x	2x			2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x							
2x: There are a	2x: There are always 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.																								
1274117 UPS-BAT/PB/24DC/4AH 1274119 UPS-BAT/PB/24DC/12AH 1354641 UPS-BAT/PB/24DC/40AH																									
1274118	UPS-BAT/PB/24DC/7AH 1348516 UPS-BAT/PB/24DC/20AH 1474660 UPS-BAT/PB/24DC/110AH								LOAH																

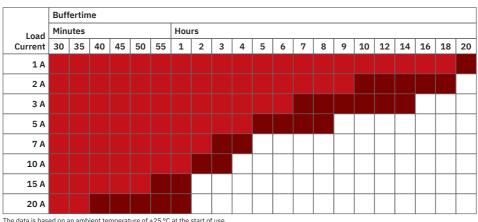
Buffer times for QUINT AC UPS 1 kVA



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Graphic



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

1348516 UPS-BAT/PB/24DC/20AH

1354641 UPS-BAT/PB/24DC/40AH

Lead battery buffer times for TRIO DC UPS



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1348516



_R

Approval ID: LR22136091TA



BV

Approval ID: 41516/B0 BV

ABS

Approval ID: 22-2244289-PDA



cULus Listed

Approval ID: E123528-20220210

DNV Approval ID: TAA0000265				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
	500 V	41 A	-	- 6



IECEE CB Scheme

Approval ID: DK-124876-M1-UL



cULus Listed

Approval ID: FILE E 199827



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Classifications

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		A.7.7

	ECLASS-13.0	27050403		
ETIM				
	ETIM 9.0	EC003893		
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-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.)	Diboron trioxide(CAS: 1303-86-2)
	Lead monoxide (lead oxide)(CAS: 1317-36-8)
	Lead(CAS: 7439-92-1)
	Diboron trioxide(CAS: 1303-86-2)
	Lead monoxide (lead oxide)(CAS: 1317-36-8)
	Lead(CAS: 7439-92-1)
SCIP	ca7bc164-a319-4ba0-ba8d-b16e10c0faa3
EF3.0 Climate Change	
CO2e kg	44.22 kg CO2e

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