

Energy storage - UPS-BAT/VRLA-WTR/24DC/13AH



2320416

<https://www.phoenixcontact.com/us/products/2320416>

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.



Energy storage device, lead AGM, VRLA technology, 24 V DC, 13 Ah, tool-free battery replacement, 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 energy storage, and tool-free switching during operation, quick installation is possible. The QUINT UPS with IQ technology energy storage leaves the warehouse fully charged.

Your advantages

- Maximum buffer times at extreme temperatures
- Pure lead AGM technology (Absorbent Glass Mat)

Commercial Data

Item number	2320416
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	C17
Product Key	CMUEW3
Catalog Page	Page 338 (C-4-2019)
GTIN	4046356707701
Weight per Piece (including packing)	10,025 g
Weight per Piece (excluding packing)	10,000 g
Customs tariff number	85072080
Country of origin	CN

Energy storage - UPS-BAT/VRLA-WTR/24DC/13AH



2320416

<https://www.phoenixcontact.com/us/products/2320416>

Technical Data

Input data

Input voltage	24 V DC
Buffer period	50 min. (10 A)
	10 min. (40 A)

Output data

Nominal output voltage	24 V DC
Output current I_{\max}	45 A
Output fuse	2x 25 A ATOF 32V
Connection in parallel	15
Connection in series	No

Battery operation

Nominal output voltage	24 V DC
Nominal output current (I_N)	45 A

Energy storage

End-of-charge voltage	27.6 V (20 °C)
Charging current	5.2 A
Nominal capacity	13 Ah
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)
Battery technology	VRLA-WTR
Memory medium	Pure lead AGM
Accumulator type	Genesis G13EPX
Number of cells	2
Size designation	Block
Battery pack	yes
Disposal	Used batteries must not be thrown away with household waste, they should instead be disposed of in accordance with applicable national regulations.
IQ technology	Yes
Temperature sensor	yes
Suitable for fast charging	yes
Approved according to	UL Style 3321150 °C 600 V AC 750 V DC

Product properties

Product type	Battery unit
Disposal	Used batteries must not be thrown away with household waste, they should instead be disposed of in accordance with applicable national regulations.
IQ technology	Yes

Energy storage - UPS-BAT/VRLA-WTR/24DC/13AH



2320416

<https://www.phoenixcontact.com/us/products/2320416>

Insulation characteristics

Protection class	III
Degree of pollution	2

Dimensions

Width	172 mm
Height	177 mm
Depth	178 mm

Mounting

Mounting position	horizontally, on a mounting plate
-------------------	-----------------------------------

Material specifications

Color	silver grey
Housing material	Plastic
Type of housing	Plastic
Housing material	Steel sheet, zinc-plated

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 60 °C
Max. permissible relative humidity (operation)	≤ 95 %
Shock	18 ms, 30g, in each space direction (according to IEC 60068-2-27)
Vibration (operation)	< 15 Hz, amplitude ±2,5 mm, 15 Hz ... 150 Hz, according to IEC 60068-2-6
	15 Hz ... 150 Hz, 2.3g, 90 min.

Standards and regulations

Standard - Electrical safety	EN 62368-1/VDE 0868-1
------------------------------	-----------------------

Approval data

Shipbuilding approval	DNV GL (EMC A), ABS
UL approvals	UL/C-UL listed UL 508
	UL/C-UL Recognized UL 60950-1

Ex data

Suited for EX-applications	No
----------------------------	----

Energy storage - UPS-BAT/VRLA-WTR/24DC/13AH

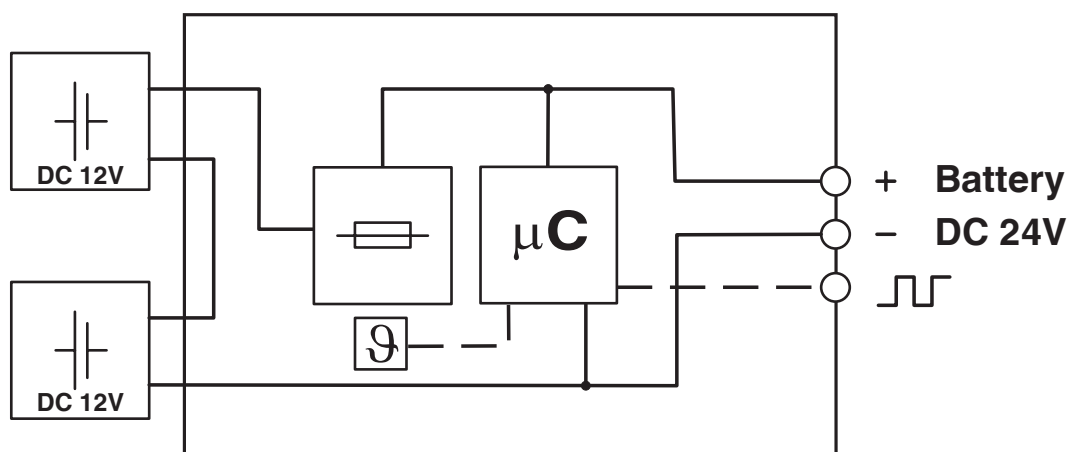
2320416

<https://www.phoenixcontact.com/us/products/2320416>



Drawings

Block diagram



Energy storage - UPS-BAT/VRLA-WTR/24DC/13AH



2320416

<https://www.phoenixcontact.com/us/products/2320416>

Approvals



cUL Recognized
Approval ID: FILE E 211944



UL Recognized
Approval ID: FILE E 211944



IECEE CB Scheme
Approval ID: DK-29680-A1-M1-UL



DNV GL
Approval ID: TAA0000265



LR
Approval ID: LR22136091TA



UL Recognized
Approval ID: FILE E 211944



IECEE CB Scheme
Approval ID: DK-29680-A1-M1-UL



BV
Approval ID: 41516/B0 BV



UL Listed
Approval ID: FILE E 123528



cUL Recognized
Approval ID: FILE E 211944



cUL Listed
Approval ID: FILE E 123528

ABS

Approval ID: 22-2244289-PDA

Energy storage - UPS-BAT/VRLA-WTR/24DC/13AH



2320416

<https://www.phoenixcontact.com/us/products/2320416>



cUL Listed

Approval ID: FILE E 123528



UL Listed

Approval ID: FILE E 123528

ABS

Approval ID: 22-2244289-PDA



BV

Approval ID: 41516/B0 BV



DNV GL

Approval ID: TAA0000265



LR

Approval ID: LR22136091TA



cUL Listed

Approval ID: FILE E 199827



UL Listed

Approval ID: FILE E 199827



UL Listed

Approval ID: FILE E 199827



cUL Listed

Approval ID: FILE E 199827

Energy storage - UPS-BAT/VRLA-WTR/24DC/13AH



2320416

<https://www.phoenixcontact.com/us/products/2320416>

Classifications

ECLASS

ECLASS-9.0	27050403
ECLASS-10.0.1	27050403
ECLASS-11.0	27050403

ETIM

ETIM 8.0	EC000357
----------	----------

UNSPSC

UNSPSC 21.0	26111700
-------------	----------

Energy storage - UPS-BAT/VRLA-WTR/24DC/13AH



2320416

<https://www.phoenixcontact.com/us/products/2320416>

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 15;
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Energy storage - UPS-BAT/VRLA-WTR/24DC/13AH



2320416

<https://www.phoenixcontact.com/us/products/2320416>

Accessories

Mounting set for securing the batteries

Mounting set for securing the batteries - BATTERY MOUNTING CASE M - 1134645

<https://www.phoenixcontact.com/us/products/1134645>



Used for mounting batteries that cannot be mounted on DIN rails.

Mounting set for securing the batteries

Mounting set for securing the batteries - BATTERY MOUNTING KIT - 2320788

<https://www.phoenixcontact.com/us/products/2320788>



Used for mounting batteries that cannot be mounted on DIN rails.

Energy storage - UPS-BAT/VRLA-WTR/24DC/13AH



2320416

<https://www.phoenixcontact.com/us/products/2320416>

Uninterruptible power supply replacement battery

Uninterruptible power supply replacement battery - UPS-BAT-KIT-WTR 2X12V/13AH - 2908368

<https://www.phoenixcontact.com/us/products/2908368>

Replacement battery for UPS-BAT/VRLA-WTR... energy storage



Fuse

Fuse - FUSE 25A/32V ATOF - 2908366

<https://www.phoenixcontact.com/us/products/2908366>

Fuse, nominal current: 25 A, length: 19.1 mm, width: 5 mm, height: 18.8 mm



Phoenix Contact 2022 © - all rights reserved

<https://www.phoenixcontact.com>

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