

UPS-BAT/LI/24DC/189WH - Battery module



1460922

<https://www.phoenixcontact.com/us/products/1460922>

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), Lithium-Ion (LiFePO₄), 24 V DC, 189 Wh

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 optimally charged before being sent to our warehouse.

Commercial data

Item number	1460922
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CM24
Product key	CMUEL3
GTIN	4063151851743
Weight per piece (including packing)	3,648 g
Weight per piece (excluding packing)	3,228 g
Customs tariff number	85076000
Country of origin	CN

UPS-BAT/LI/24DC/189WH - Battery module



1460922

<https://www.phoenixcontact.com/us/products/1460922>

Technical data

Energy storage

Input

Input voltage	24 V DC
Nominal capacity	189 Wh (2x 94.72 Wh)
	7.4 Ah
Charging current	10 A
End-of-charge voltage	28.4 V DC (20 °C)

Output

Output current	max. 45 A (Derating: -20 °C ... 0 °C, 30 A ... 40 A; 50 °C ... 60 °C, 35 A)
Output fuse	1x 50 A MAXI Blade Fuse (≥ 125 V DC)
Buffer time	20 min (20 A)

General

Connection in parallel	yes
	max. 5
Battery type	Grepow, 2x 25.6 V GRP8056117-8S1P-A
Battery technology	Lithium-Ion (LiFePO ₄)
IQ-Technology	yes
Latest startup date (battery only)	6 Months (-20 °C ... 35 °C)
	1 Months (-30 °C ... 65 °C)
Accumulator module service life (according to Eurobat)	10 (20 °C)
Size designation	Block
Temperature sensor	yes
Number of replacement battery kits	2x (UPS-BAT-KIT/LI/24DC/94WH (1532141))

Connection data

Battery

Position	4.x
----------	-----

Connection technology

Position marking	4.1 (+), 4.2 (-)
------------------	------------------

Conductor connection

Connection method	Screw connection
rigid	2.5 mm ² ... 16 mm ² (recommended, 25 A fuse)
	4 mm ² ... 16 mm ² (recommended, 50 A fuse)
flexible	2.5 mm ² ... 16 mm ² (recommended, 25 A fuse)
	4 mm ² ... 16 mm ² (recommended, 50 A fuse)
flexible with ferrule without plastic sleeve	2.5 mm ² ... 16 mm ² (recommended, 25 A fuse)
	4 mm ² ... 16 mm ² (recommended, 50 A fuse)

UPS-BAT/LI/24DC/189WH - Battery module



1460922

<https://www.phoenixcontact.com/us/products/1460922>

flexible with ferrule with plastic sleeve	2.5 mm² ... 16 mm² (recommended, 25 A fuse)
	4 mm² ... 16 mm² (recommended, 50 A fuse)
AWG	14 ... 6 (recommended, 25 A fuse)
	10 ... 6 (recommended, 50 A fuse)
Stripping length	10 mm (recommended, 25 A fuse)
	10 mm (recommended, 50 A fuse)
Tightening torque	1.2 Nm ... 1.5 Nm
	15 lb _F ·in.
Drive form screw head	Slotted L

LIN

Position	4.x
----------	-----

Connection technology

Position marking	4.3 ()
------------------	---

Conductor connection

Connection method	Screw connection
rigid	0.75 mm² ... 16 mm² (LIN)
flexible	0.75 mm² ... 16 mm² (LIN)
flexible with ferrule without plastic sleeve	0.75 mm² ... 16 mm² (LIN)
flexible with ferrule with plastic sleeve	0.75 mm² ... 16 mm² (LIN)
AWG	20 ... 6
Stripping length	10 mm (LIN)
Tightening torque	1.2 Nm ... 1.5 Nm
Drive form screw head	Slotted L

Product properties

Product type	Battery module
Product family	Battery module (device with battery)
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	133 mm
Height	197 mm
Depth	119 mm

Drill hole

Diameter	5 mm
----------	------

UPS-BAT/LI/24DC/189WH - Battery module



1460922

<https://www.phoenixcontact.com/us/products/1460922>

Installation dimensions

Installation distance right/left	0 mm / 0 mm
Installation distance top/bottom	5 mm / 5 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (storage/transport)	-30 °C ... 65 °C
	-20 °C ... 35 °C (recommended)
Ambient temperature (charge)	-10 °C ... 55 °C (0 °C ... 55 °C, UPS V/C Level)
Ambient temperature (discharge)	-20 °C ... 60 °C
Maximum altitude	max. 2000 m
Max. permissible relative humidity (operation)	≤ 95 %
Shock	15g, 11 ms, half sine (IEC 60068-2-27)
Vibration (operation)	0,7g (DNV-GL / IEC 60068-2-6)

Ex data

Suited for EX-applications	no
----------------------------	----

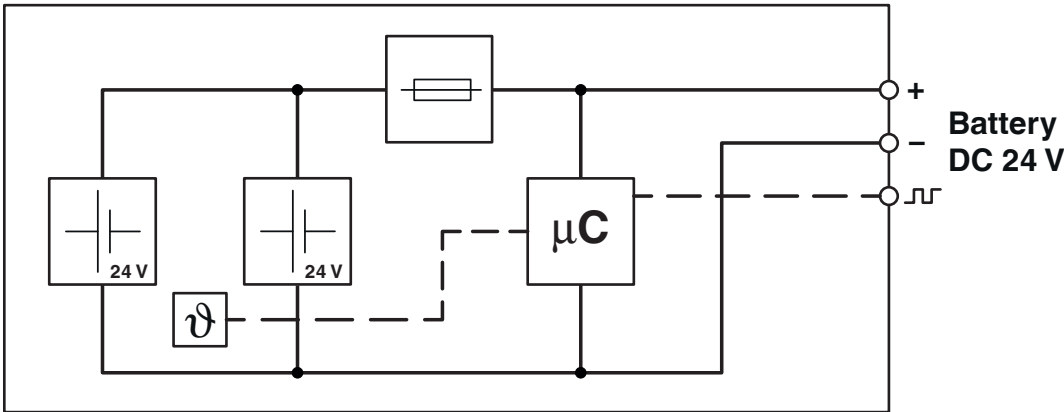
UPS-BAT/LI/24DC/189WH - Battery module



1460922
<https://www.phoenixcontact.com/us/products/1460922>

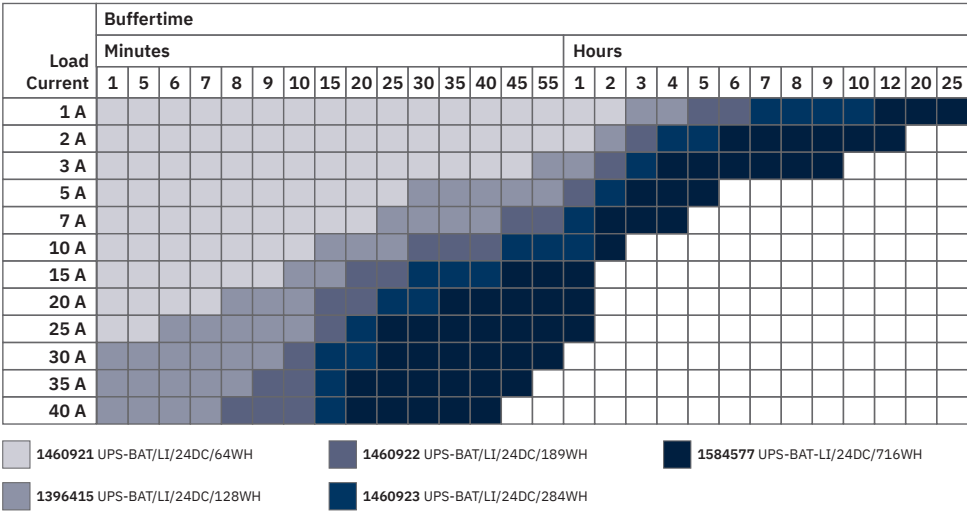
Drawings

Block diagram



Block diagram

Graphic



Lithium battery buffer times for QUINT DC UPS

UPS-BAT/LI/24DC/189WH - Battery module



1460922

<https://www.phoenixcontact.com/us/products/1460922>

Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1460922>



IECEE CB Scheme
Approval ID: SI-10466 A1



cULus Listed
Approval ID: E123528-20230517

DNV				
Approval ID: TAA0000265				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	500 V	41 A	-	- 6



cULus Listed
Approval ID: E199827-20230523

UPS-BAT/LI/24DC/189WH - Battery module



1460922

<https://www.phoenixcontact.com/us/products/1460922>

Classifications

ECLASS

ECLASS-13.0	27050403
ECLASS-15.0	27050403

ETIM

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

UNSPSC

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

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [UPS - Uninterruptible Power Supplies - Batteries](#) ***category:***

Click to view products by [Phoenix Contact](#) ***manufacturer:***

Other Similar products are found below :

[2789890000](#) [2789930000](#) [2789910000](#) [9PXEBM180RTG2](#) [1133819](#) [1460922](#) [1460923](#) [2866569](#) [2866572](#) [ABL8BPK24A07](#)
[6EP19356ME21](#) [2789900000](#)