

Energy storage - UPS-CAP/24DC/20A/20KJ - 2320380

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Maintenance-free energy storage based on double-layer capacitor, 24 V DC, 20 kJ, 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 service life
- ✓ Maintenance-free double layer condensators



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 599030
GTIN	4046356599030

Technical data

Dimensions

Width	150 mm
Height	130 mm
Depth	176 mm
Installation distance right/left	0 mm / 0 mm
Installation distance top/bottom	50 mm / 50 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 60 °C
Max. permissible relative humidity (operation)	≤ 95 %

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Technical data

Ambient conditions

Degree of pollution	2
Installation height	2000 m

Input data

Nominal input voltage	24 V DC
Input voltage range	18 V DC ... 30 V DC
Current consumption	5 A
Buffer period	12 min. (1 A)
	33 s (20 A)

Output data

Nominal output voltage	24 V DC
Setting range of the output voltage (U_{Set})	22 V DC ... 27 V DC
Nominal output current (I_N)	20 A
POWER BOOST (I_{Boost})	26 A
Connection in series	No
Power loss nominal load max.	3.6 W
Output fuse	2x 25 A (internal)

General

IQ technology	Yes
Disposal	Used batteries must not be thrown away with household waste, they should instead be disposed of in accordance with applicable national regulations. They can also be returned to Phoenix Contact or the manufacturer.
Net weight	2.9 kg
Memory medium	Dual layer capacitor
	> 695000 h (40 °C)
Degree of protection	IP20
Protection class	III
Housing material	Steel sheet, zinc-plated
Mounting position	horizontal DIN rail NS 35, EN 60715

Standards

EMC requirements for noise immunity	EN 61000-6-1
	EN 61000-6-2
EMC requirements for noise emission	EN 61000-6-3
	EN 61000-6-4
Standard - Electrical safety	EN 60950-1/VDE 0805 (SELV)
Standard – Electronic equipment for use in electrical power installations and their assembly into electrical power installations	EN 50178/VDE 0160 (PELV)

Conformance/approvals

UL approvals	UL/C-UL Recognized UL 60950-1
Shipbuilding approval	GL applied for

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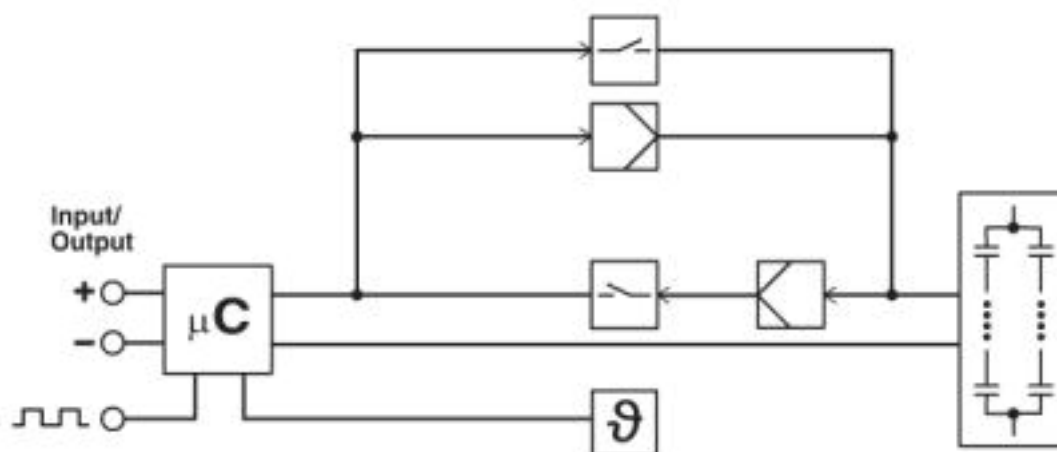
Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Drawings

Block diagram



Classifications

eCl@ss

eCl@ss 10.0.1	27050403
eCl@ss 4.0	27040600
eCl@ss 4.1	27040600
eCl@ss 5.0	27040600
eCl@ss 5.1	27040600
eCl@ss 6.0	27040600
eCl@ss 7.0	27050403
eCl@ss 8.0	27050403
eCl@ss 9.0	27050403

ETIM

ETIM 2.0	EC000382
ETIM 3.0	EC000382
ETIM 4.0	EC000357
ETIM 5.0	EC000357
ETIM 6.0	EC000357
ETIM 7.0	EC000357

UNSPSC

UNSPSC 6.01	30211510
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Classifications

UNSPSC

UNSPSC 7.0901	39121011
UNSPSC 11	39121011
UNSPSC 12.01	39121011
UNSPSC 13.2	26111715
UNSPSC 18.0	26111715
UNSPSC 19.0	26111715
UNSPSC 20.0	26111715
UNSPSC 21.0	26111715

Approvals

Approvals

Approvals

DNV GL / BV / LR / ABS / UL Listed / UL Recognized / cUL Recognized / cUL Listed / EAC / cULus Recognized / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

DNV GL		https://approvalfinder.dnvgl.com/	TAA0000265
Nominal voltage UN	500 V		
Nominal current IN	41 A		
mm²/AWG/kcmil	6		

BV		http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials	41516/A0 BV
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LR		http://www.lr.org/en	17/20032
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ABS	http://www.eagle.org/eagleExternalPortalWEB/		15-GD1438179-PDA
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Approvals

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 123528
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 211944
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 211944
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cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 123528
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EAC		EAC-Zulassung
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cULus Recognized	
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cULus Listed	
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Accessories

Accessories

Assembly adapter

Assembly adapters - UWA 130 - 2901664



2-piece universal wall adapter for securely mounting the device in the event of strong vibrations. The profiles that are screwed onto the side of the device are screwed directly onto the mounting surface. The universal wall adapter is attached on the left/right.

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