

## Energy storage - UPS-CAP/24DC/10A/10KJ - 2320377

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Maintenance-free energy storage based on double-layer capacitor, 24 V DC, 10 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 599047
GTIN	4046356599047

### Technical data

#### Dimensions

Width	126 mm
Height	130 mm
Depth	126 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 %

# Energy storage - UPS-CAP/24DC/10A/10KJ - 2320377

## 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	6 min. (1 A)
	33 s (10 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 ( $I_N$ )	10 A
POWER BOOST ( $I_{Boost}$ )	15 A
Connection in series	No
Power loss nominal load max.	3.6 W
Output fuse	1x 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.
Net weight	1.7 kg
Memory medium	Dual layer capacitor
	> 725000 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

# Energy storage - UPS-CAP/24DC/10A/10KJ - 2320377

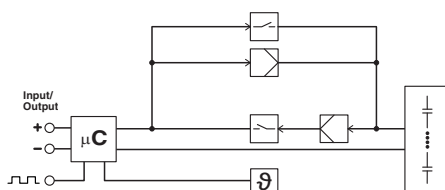
## Technical data

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

## Drawings

Block diagram



## Classifications

### eCl@ss

eCl@ss 10.0.1	27050403
eCl@ss 11.0	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 9.0	27050403

### ETIM

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

### UNSPSC

UNSPSC 6.01	30211510
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

# Energy storage - UPS-CAP/24DC/10A/10KJ - 2320377

## Approvals

### Approvals








#### Approvals

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

#### Ex Approvals

UL Listed / cUL Listed / UL Listed / cUL Listed

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 211944
LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	17/20032
UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 123528
cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 123528
cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 211944
ABS		<a href="http://www.eagle.org/eagleExternalPortalWEB/">http://www.eagle.org/eagleExternalPortalWEB/</a>	20-2022474-PDA
BV		<a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a>	41516/A0 BV
BV		<a href="http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials">http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials</a>	41516/A0 BV

# Energy storage - UPS-CAP/24DC/10A/10KJ - 2320377

## Approvals

LR		<a href="http://www.lr.org/en">http://www.lr.org/en</a>	17/20032
ABS		<a href="http://www.eagle.org/eagleExternalPortalWEB/">http://www.eagle.org/eagleExternalPortalWEB/</a>	20-2022474-PDA
UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 123528
UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 211944
cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 211944
cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 123528
EAC			EAC-Zulassung
EAC			EAC-Zulassung
DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAA0000265
DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAA0000265
Nominal voltage UN	500 V		
Nominal current IN	41 A		
mm <sup>2</sup> /AWG/kcmil	6		

## Energy storage - UPS-CAP/24DC/10A/10KJ - 2320377

### 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.

---

Phoenix Contact 2021 © - all rights reserved  
<http://www.phoenixcontact.com>

**PHOENIX CONTACT GmbH & Co. KG**  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>