

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

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Maintenance-free power storage based on double-layer capacitor, 24 V DC, 20 kJ, automatic detection and communication with QUINT UPS-IQ

### Product Description

Maintenance-free 24 V DC dual layer capacitor, 20 kJ, automatic detection and communication with QUINT UPS-IQ

### Product Features

- Communication with QUINT UPS IQ



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	3340.0 g
Custom tariff number	85322900
Country of origin	China

### Technical data

#### Dimensions

Width	150 mm
Height	130 mm
Depth	176 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 %
Maximum altitude	2000 m

#### Input data

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### Technical data

#### 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
Protection class	III
	> 695000 h (40°C)
Mounting position	horizontal DIN rail NS 35, EN 60715

#### Standards and Regulations

Shock	30g in each direction, according to IEC 60068-2-27
Connection in acc. with standard	CUL
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)
Shipbuilding approval	GL applied for
UL approvals	UL Listed UL 508
	UL/C-UL Recognized UL 60950
Vibration (operation)	< 15 Hz, amplitude $\pm 2.5$ mm, 15 - 150 Hz, 2.3g/2.3g according to IEC 60068-2-6

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### Classifications

#### eCl@ss

eCl@ss 4.0	27040603
eCl@ss 4.1	27040603
eCl@ss 5.0	27040603
eCl@ss 5.1	27040603
eCl@ss 6.0	27040603
eCl@ss 7.0	27049201
eCl@ss 8.0	27050102

#### ETIM

ETIM 2.0	EC000382
ETIM 3.0	EC000382
ETIM 4.0	EC000357
ETIM 5.0	EC000357

#### UNSPSC

UNSPSC 6.01	30211510
UNSPSC 7.0901	39121011
UNSPSC 11	39121011
UNSPSC 12.01	39121011
UNSPSC 13.2	39121011

### Approvals

#### Approvals

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##### Approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / EAC / cULus Recognized / cULus Listed

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##### Ex Approvals

UL Listed / cUL Listed / cULus Listed

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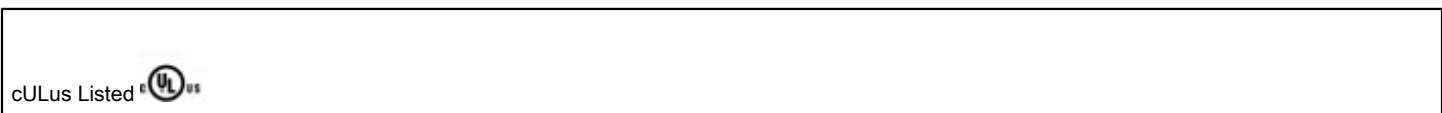
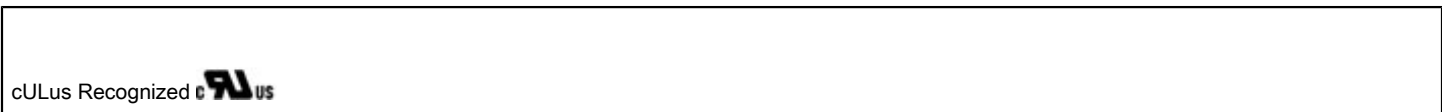
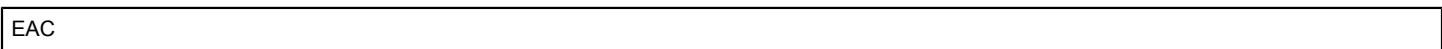
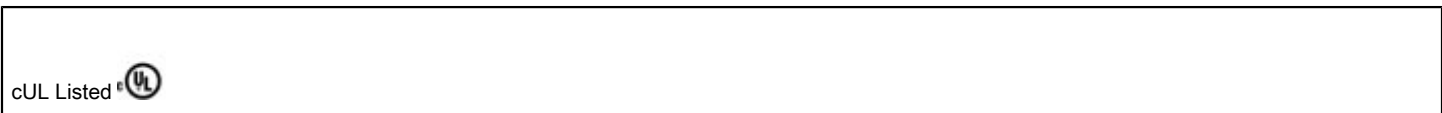
##### Approvals submitted

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#### Approval details

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## Approvals



## Drawings

Block diagram

