

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

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Commercial Data

Order Key	2320380
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	CMU
Catalog Page	Page 334 (C-4-2019)
GTIN	4046356599030
Weight per Piece (including packing)	3,508.0 GRM
Weight per Piece (excluding packing)	3,508.0 GRM
Customs tariff number	85322900
Country of origin	CN

Technical Data

Input data

DC operation

Input voltage	24 V DC
Input voltage range	18 V DC ... 30 V DC
Input voltage range DC	18 V DC ... 30 V DC
Buffer period	12 min. (1 A)
	33 s (20 A)
Current consumption	5 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
Power loss nominal load max.	3.6 W
Power dissipation	3.6 W
Output fuse	2x 25 A (internal)
Connection in series	No

Battery operation

Nominal output voltage	24 V DC
Output voltage range	22 V DC ... 27 V DC
Nominal output current (I_N)	20 A

Energy storage

Charge current	5 A
Nominal capacity	0.2 Ah
Battery module service life	20 Years (20 °C)
Battery technology	UPS-CAP
Memory medium	Dual layer capacitor
Number of cells	1
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

Electrical properties

Insulation voltage input, output / housing	500 V AC
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Product properties

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
MTBF (IEC 61709, SN 29500)	> 695000 h (40 °C)

Insulation characteristics

Protection class	III
Degree of pollution	2

Life expectancy (electrolytic capacitors)

Time	100000 h
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Dimensions

Width	150 mm
Height	130 mm
Depth	176 mm

Installation dimensions

Installation distance right/left	0 mm / 0 mm
Installation distance top/bottom	50 mm / 50 mm

Mounting

Mounting position	horizontal DIN rail NS 35, EN 60715
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Material specifications

Color	silver grey
Type of housing	Aluminum (ALMG3), sheet steel (galvanized)
Housing material	Steel sheet, zinc-plated

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 60 °C
Maximum altitude	2000 m
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 – Electronic equipment for use in electrical power	EN 50178/VDE 0160 (PELV)
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installations and their assembly into electrical power installations	
Standard - Electrical safety	EN 60950-1/VDE 0805 (SELV)

Approval data

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

Ex data

Suited for EX-applications	No
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EMC data

EMC requirements for noise emission	EN 61000-6-3
	EN 61000-6-4
EMC requirements for noise immunity	EN 61000-6-1
	EN 61000-6-2

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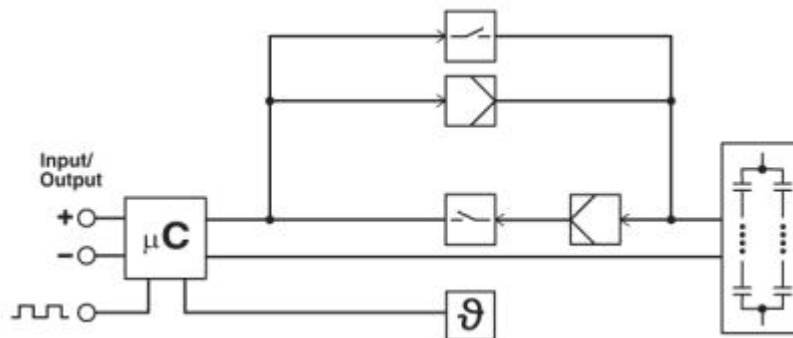
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Drawings

Block diagram



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Approvals

cUL Recognized 

UL Recognized 

EAC 

LR 

BV 

UL Listed 

cUL Listed 

UL Recognized 

EAC 

cUL Recognized 

cUL Listed 

UL Listed 

BV 

LR 

DNV GL 

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DNV GL 

cUL Listed 

UL Listed 

UL Listed 

cUL Listed 

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Classifications

ECLASS

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

ETIM

ETIM 6.0	EC000357
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UNSPSC

UNSPSC 19.0	26111715
UNSPSC 20.0	26111715
UNSPSC 21.0	26111715

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Environmental Product Compliance

REACH SVHC

Lead 7439-92-1

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Accessories

Mounting adapter

Mounting adapter - 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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