

Uninterruptible power supply - QUINT4-UPS/1AC/1AC/1KVA - 2320283

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Uninterruptible power supply with IQ technology for DIN rail mounting. Input: 120/230 V AC, output: 120/230 V AC/1 kVA. Provides information regarding the state of charge, remaining runtime, and service life of the rechargeable battery module at any time, thereby increasing system availability.

Product Description

Supply AC loads reliably with the uninterruptible power supply from the QUINT range for DIN rails. Due to the online topology, the AC UPS delivers a pure sine curve in mains and battery operation. Combine the online UPS with various UPS-BAT energy storage devices. The USB interface makes it convenient to shut down your PC.

Your advantages

- ✓ Smooth transition due to online topology
- ✓ Pure sine curve in mains and battery operation
- ✓ USB interface for connecting to industrial PCs, for example
- ✓ Startup from energy storage possible, even without mains input
- ✓ Can be switched in parallel for redundancy and increased performance



Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 244563
GTIN	4055626244563

Technical data

Dimensions

Width	290 mm
Height	130 mm
Depth	125 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C ... 60 °C (> 50 °C Derating: 2.5 %/K)
Ambient temperature (storage/transport)	-40 °C ... 85 °C (with charged energy storage device)
Max. permissible relative humidity (operation)	≤ 95 %

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Ambient conditions

Climatic class	3K3 (EN 60721)
Degree of pollution	2
Installation height	≤ 3000 m (> 2000 m, observe derating)

Input data

Nominal input voltage	100 V AC -10 % / +20 %
	110 V AC -10 % / +20 %
	120 V AC -10 % / +20 %
	130 V AC -10 % / +20 %
	200 V AC -20 % / +20 %
	210 V AC -20 % / +20 %
	220 V AC -20 % / +20 %
	230 V AC -20 % / +15 %
	240 V AC -20 % / +10 %
Input voltage range	90 V AC ... 264 V AC
AC frequency range	45 Hz ... 65 Hz
Buffer period	1 h (38 AH)
Permissible backup fuse	B16 230 V AC
Power factor (cos phi)	0.9

Output data

Nominal output voltage	100 V AC
	110 V AC
	120 V AC
	130 V AC
	200 V AC
	210 V AC
	220 V AC
	230 V AC
	240 V AC
Nominal output current (I _N)	7.8 A (100 V AC)
	8.1 A (110 V AC)
	8.3 A (120 V AC)
	7.7 A (130 V AC)
	5 A (200 V AC)
	4.8 A (210 V AC)
	4.5 A (220 V AC)
	4.3 A (230 V AC)
	4.2 A (240 V AC)
POWER BOOST (I _{Boost})	13 A (120 V AC)
	7 A (230 V AC)
Derating	> 50 °C ... 60 °C (2.5%/K)

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Output data

Connection in parallel	Yes, 2
Connection in series	No
Maximum power dissipation in no-load condition	typ. 17 W (120 V AC)
	typ. 25 W (230 V AC)

General

Net weight	5 kg
Efficiency	> 92 % (120 V AC)
	> 94 % (230 V AC)
Protection class	I
Degree of protection	IP20
MTBF (IEC 61709, SN 29500)	217546 h (230 V AC, at 40 °C)

Connection data, input

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	10
Stripping length	8 mm

Connection data, output

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	10
Stripping length	8 mm

Connection data for signaling

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	30
Conductor cross section AWG max.	12
Stripping length	8 mm

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Technical data

Standards and Regulations

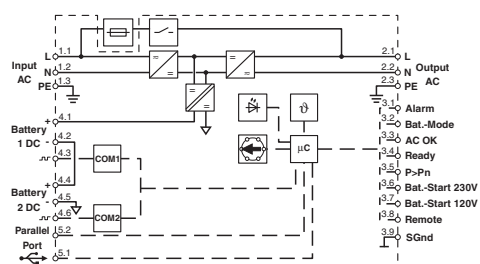
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise immunity	Noise immunity according to EN 62040-2-2006
Standards/regulations	EN 61000-4-2
Contact discharge	4 kV (Test Level 2)
Standards/regulations	EN 61000-4-3
Frequency range	80 MHz ... 1 GHz
Test field strength	10 V/m
Standards/regulations	EN 61000-4-4
Comments	Criterion B
Standards/regulations	EN 61000-4-6
Frequency range	0.15 MHz ... 80 MHz
Voltage	10 V
Conducted noise emission	EN 62040-02 (Class C2)
Standards/regulations	EN 61000-4-8
Low Voltage Directive	Conformance with Low Voltage Directive 2014/35/EC
UL approvals	UL/C-UL Recognized UL 1778
Shock	15g in all directions (EN 60068-2-27)
Vibration (operation)	5 Hz ... 100 Hz, 0.7g (EN 60068-2-6)
Overvoltage category (EN 60950-1)	II

Environmental Product Compliance

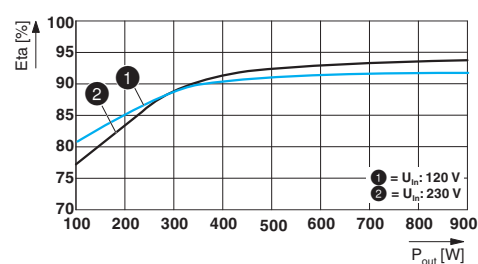
REACH SVHC	Lead 7439-92-1
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Drawings

Block diagram



Diagram



Approvals

Approvals

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EAC / UL Recognized / cUL Recognized / IECCE CB Scheme / cULus Recognized

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Approvals

Ex Approvals

Approval details

EAC			RU C- DE.A*30.B.01082
UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 342453
cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 342453
IECEE CB Scheme		http://www.iecee.org/	DK-70737-UL
cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	

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