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Single-phase UPS device in dual converter technology, according to three-stage classification code VFI-SS-111. Floor-mounted appliance, either for 19" rack mounting, 90° rotary LCD control panel, slot for SNMP card.



Your advantages

- Comprehensive accessories for function extension
- Long battery life thanks to ripple-free charging
- Double conversion technology for maximum voltage quality
- Class VFI-SS-111 single-phase UPS (according to IEC 62040-3)
- Supports a variety of operating systems
- Hot-swappable battery replacement on the front
- Use as rack (19") or tower device with rotatable control panel
- Mains-independent output voltage

Commercial data

Item number	2800274
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CMUR15
Catalog page	Page 244 (C-6-2013)
GTIN	4046356537728
Weight per piece (including packing)	19,000 g
Weight per piece (excluding packing)	19,000 g
Country of origin	CN

UPS-CP-1KVA/240AC - Uninterruptible power supply



2800274

<https://www.phoenixcontact.com/us/products/2800274>

Technical data

Input data

Input voltage range	288 V AC 160 V AC 160 ... 288 V AC
Nominal current	max. 3.8 A
AC frequency range	50 Hz ... 60 Hz ± 5 Hz (automatic recognition)
Power factor (cos phi)	0.99 (with linear load)
Non-linear distortion	< 6 % (at full load)
Residual current I_{PE}	≤ 3.5 mA
Typical switch-over time	typ. 0 ms
Power supply connector	1 x L, N, PE

Output data

Output voltage range	230 V AC ± 1 % (200/208/220/230/240 V AC adjustable)
Nominal current	max. 4.35 A
AC frequency range	50 / 60 Hz (automatic recognition)
Frequency range AC (battery mode)	50 / 60 Hz $\pm 0,1$ % (Battery mode)
Crest factor	3.1
Current distortion (THD)	< 3 % (linear load) < 6 % (non-linear load)
Efficiency (100/75/50/25% load)	85 / 82 / 82 / 80 % - mains operation

Energy storage

Battery voltage	12 V DC (per battery)
Charging voltage	41 V DC ± 0.5 V DC
Network management	Yes

Interfaces

Interfaces	1x USB, 1x RS-232
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Electrical properties

Nominal current I_N	3.8 A
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Product properties

Type	19" rack/fixed housing
Product type	AC UPS
MTBF (IEC 61709, SN 29500)	> 200000 h

Dimensions

Width	483.00 mm
Height	89.00 mm
Height unit	2 U
Depth	490.00 mm

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Material specifications

Color	black
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 40 °C
Ambient temperature (storage/transport)	0 °C ... 45 °C
Altitude	≤ 1000 m
Permissible humidity (operation)	0 % ... 90 % (non-condensing)
Noise level	50

Standards and regulations

Standards/specifications	EN 62040-1-1
Standards/specifications	EN 62040-2
Standards/specifications	EN 62040-3
Standards/specifications	IEC 60950-1
Standards/specifications	EN 61000-3-2
Standards/specifications	EN 61000-3-3

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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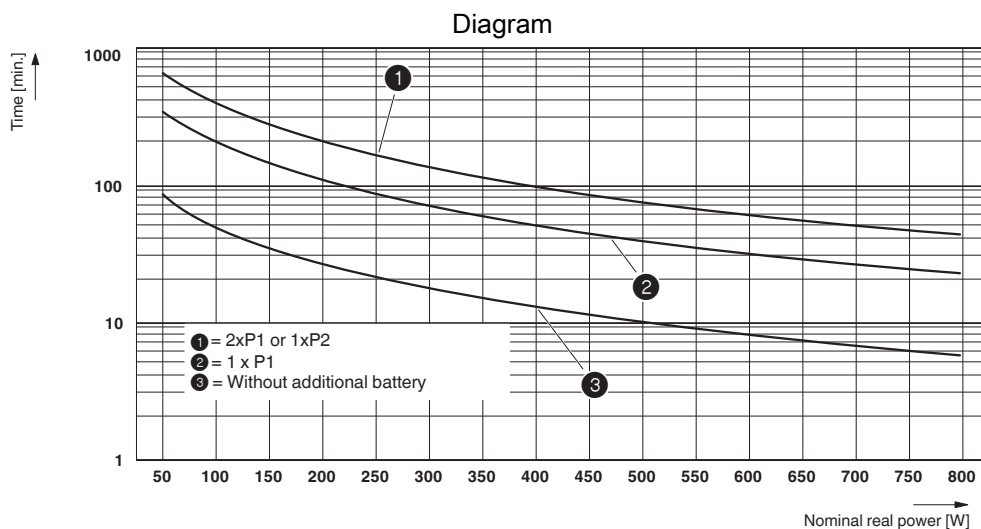
UPS-CP-1KVA/240AC - Uninterruptible power supply



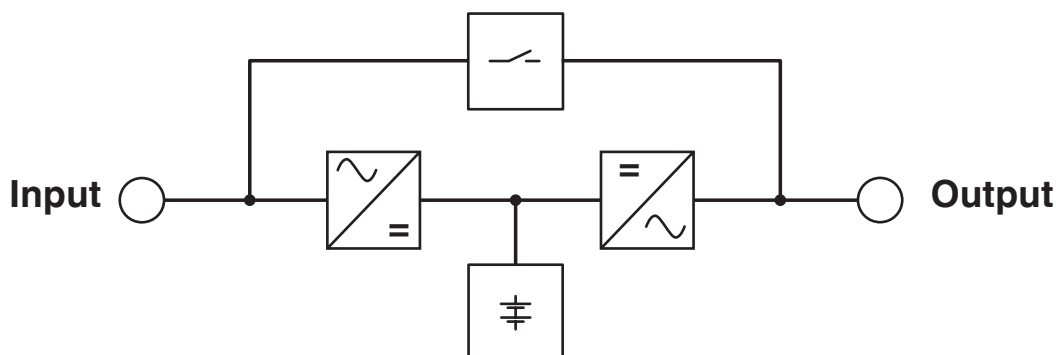
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Drawings



Circuit diagram



UPS-CP-1KVA/240AC - Uninterruptible power supply



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Accessories

UPS-BAT-KIT-3X7AH - Uninterruptible power supply replacement battery

2800424

<https://www.phoenixcontact.com/us/products/2800424>

Replacement battery for UPS-CP-BAT... energy storage



UPS-CP-BAT-1KVA-P1 - Energy storage

2800280

<https://www.phoenixcontact.com/us/products/2800280>

Energy storage device for extending the bridging time of the UPS device.



UPS-CP-1KVA/240AC - Uninterruptible power supply

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UPS-CP-BAT-1KVA-P2 - Energy storage

2800281

<https://www.phoenixcontact.com/us/products/2800281>

Energy storage device for extending the bridging time of the UPS device.



UPS-SNMP-CARD - Interface card

2800289

<https://www.phoenixcontact.com/us/products/2800289>

SNMP interface card for UPS devices, RJ45 network connection. Including two licenses for the associated RCCMD Client software.



UPS-CP-1KVA/240AC - Uninterruptible power supply



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UPS-SNMP-CARD E - Interface card

2800290

<https://www.phoenixcontact.com/us/products/2800290>

SNMP interface card for UPS devices, RJ45 network connection, MODBUS and AUX. Including two licenses for the associated RCCMD Client software.



UPS-6REL - Relay card

2800287

<https://www.phoenixcontact.com/us/products/2800287>

6-way relay card for 1 kVA to 6 kVA UPS devices for the provision of various status messages regarding the UPS.



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UPS-CP-BP-1/2/3KVA - Bypass module

2800291

<https://www.phoenixcontact.com/us/products/2800291>

Bypass module with manual bypass for 1kVA, 2kVA and 3 kVA UPS devices.



UPS-CP-MS-9X10A-IEC - Socket strip

2800293

<https://www.phoenixcontact.com/us/products/2800293>

Socket strips for 19" rack installation with 9 IEC 10 A slots.



UPS-CP-1KVA/240AC - Uninterruptible power supply



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UPS-CP-MS-4X16A-IEC - Socket strip

2800294

<https://www.phoenixcontact.com/us/products/2800294>

Socket strips for 19" rack installation with 4 IEC slots 16 A.

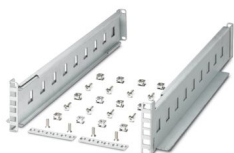


UPS-CP-19"MR - DIN rail

2800288

<https://www.phoenixcontact.com/us/products/2800288>

Mounting rail set, can be extended from 52 cm to 88 cm, for mounting UPS devices and battery modules in 19" racks and cabinets.



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