

# UPS-CP-2KVA/240AC - Uninterruptible power supply



2800275

<https://www.phoenixcontact.com/us/products/2800275>

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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	2800275
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C17
Product key	CMUR15
GTIN	4046356537735
Weight per piece (including packing)	31,600 g
Weight per piece (excluding packing)	31,600 g
Customs tariff number	85044030
Country of origin	CN

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## Technical data

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### Input data

Input voltage range	288 V AC 160 V AC 160 ... 288 V AC
Nominal current	max. 8 A
AC frequency range	50 Hz ... 60 Hz $\pm 5$ Hz (automatic recognition)
Power factor (cos phi)	0.99 (with linear load)
Non-linear distortion	< 6 % (at full load)
Protective conductor current $I_{PE}$	$\leq 3.5$ mA
Typical switch-over time	typ. 0 ms
Power supply connector	1 x L, N, PE

### Output data

Output voltage range	230 V AC $\pm 1$ % (200/208/220/230/240 V AC adjustable)
Nominal current	max. 8.7 A
AC frequency range	50 / 60 Hz (automatic recognition)
Frequency range AC (battery mode)	50 / 60 Hz $\pm 0,1$ %
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	82 V DC $\pm 0.5$ V DC
Network management	Yes

### Interfaces

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

Nominal frequency $f_N$	50 Hz $\pm 5$ Hz (60 Hz)
Nominal current $I_N$	8 A

### Product properties

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

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## Dimensions

Width	483.00 mm
Height	89.00 mm
Rack unit	2 U
Depth	680.00 mm

## Material specifications

Color	black
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## Environmental and real-life conditions

### Ambient conditions

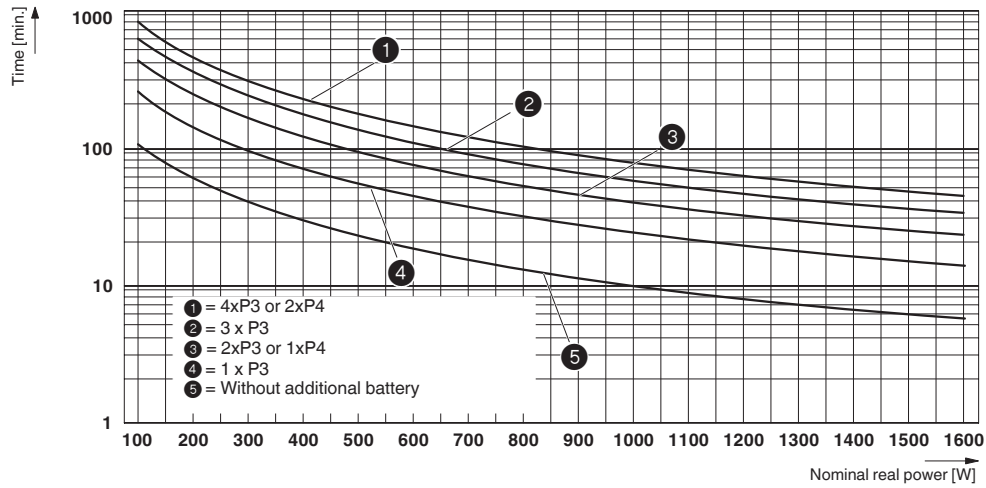
Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 40 °C
Ambient temperature (storage/transport)	0 °C ... 45 °C
Altitude	≤ 1000 m
Permissible humidity (operation)	0 % ... 90 % (non-condensing)
Noise level	50

## Standards and regulations

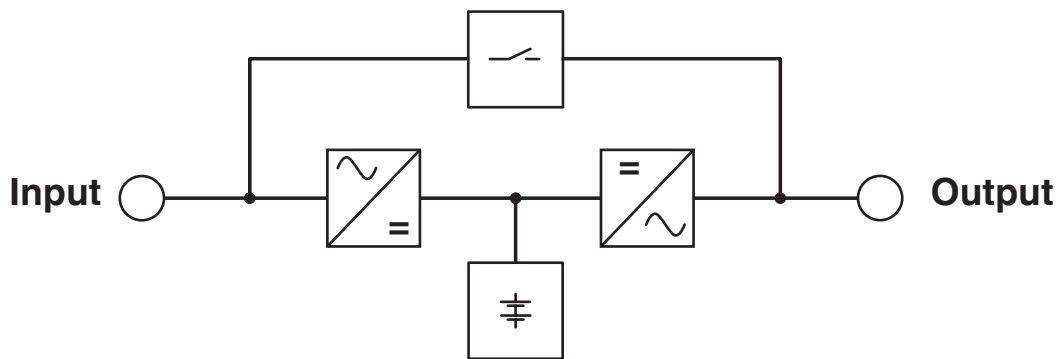
Standards/specifications	EN 62040-1-1
Standards/specifications	EN 62040-2
Standards/specifications	EN 62040-3
Standards/specifications	IEC 60950-1
Standards/specifications	EN 61000-3-2
Standards/specifications	EN 61000-3-3

## Drawings

Diagram



Circuit diagram



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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-25 An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
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### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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