

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



QUINT AC UPS, IQ Technology, Panel mounting, input: 230 V AC, output: 230 V AC / 1500 VA.

## Product description

The QUINT HP UPS for panel mounting, with IQ Technology and matching external battery module, ensures superior system availability. The online topology with a pure sine wave reliably supplies your AC loads with a perfect voltage at powers ranging from 1.5 kVA to 2.5 kVA.

## Your advantages

- Pure sine wave in normal and battery operation
- Can be switched in parallel for increased performance, redundancy, or for a 3 AC system
- Startup from the energy storage system possible, even without mains input
- Communication platform: Com.board with USB or serial interface
- Compact design with active cooling

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1136811       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | CMUW15        |
| GTIN                                 | 4063151073435 |
| Weight per piece (including packing) | 4,800 g       |
| Weight per piece (excluding packing) | 4,300 g       |
| Country of origin                    | DE            |

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

## Technical data

### Input data

|                                                     |                        |
|-----------------------------------------------------|------------------------|
| Input voltage                                       | 200 V AC -10 % / +20 % |
|                                                     | 210 V AC -15 % / +20 % |
|                                                     | 220 V AC -15 % / +20 % |
|                                                     | 230 V AC -20 % / +15 % |
|                                                     | 240 V AC -20 % / +10 % |
| Voltage type of supply voltage                      | AC                     |
| Frequency range ( $f_N$ )                           | 47.5 Hz ... 52.5 Hz    |
|                                                     | 57 Hz ... 63 Hz        |
| Bypass fuse                                         | 16 A T 250 V           |
| Permissible backup fuse                             | B16 B25 C16 C25        |
| Current consumption                                 | nom. 9.5 A (200 V AC)  |
|                                                     | nom. 9.1 A (210 V AC)  |
|                                                     | nom. 8.6 A (220 V AC)  |
|                                                     | nom. 8.3 A (230 V AC)  |
|                                                     | nom. 7.9 A (240 V AC)  |
|                                                     | max. 12.9 A (200 V AC) |
|                                                     | max. 13 A (210 V AC)   |
|                                                     | max. 12.4 A (220 V AC) |
|                                                     | max. 12.6 A (230 V AC) |
|                                                     | max. 12.1 A (240 V AC) |
| Rated short-time current carrying capacity $I_{cw}$ | 6 kA                   |

### Output data

|                                                     |                                                                |
|-----------------------------------------------------|----------------------------------------------------------------|
| Classification according to IEC 62040-3             | VFI-SS-111                                                     |
| Efficiency                                          | > 95 % (100% load, battery charged)                            |
|                                                     | > 91 % (100% load, battery charged)                            |
| Apparent power                                      | 1500 VA                                                        |
| Real power                                          | 1350 W                                                         |
| Power factor (cos phi)                              | 0.9                                                            |
| Crest factor                                        | 2.8                                                            |
| Switch-over time                                    | 0 ms                                                           |
| Connection in parallel                              | yes                                                            |
|                                                     | max. 3                                                         |
| Connection in series                                | no                                                             |
| Overload capability Mains operation                 | 120 % ... 150 % (20 s / 5 s, then switch to bypass operation)  |
| Overload capability Battery operation               | 120 % ... 150 % (20 s / 5 s, then shutdown)                    |
| Overload capability Bypass mode                     | 120 % ... 150 % (for a sustained period / 20 s, then shutdown) |
| Rated short-time current carrying capacity $I_{cw}$ | 6 kA                                                           |

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

## Mains operation

|                                          |                                          |
|------------------------------------------|------------------------------------------|
| Output voltage                           | 200 V AC $\pm 2$ %                       |
|                                          | 210 V AC $\pm 2$ %                       |
|                                          | 220 V AC $\pm 2$ %                       |
|                                          | 230 V AC $\pm 2$ %                       |
|                                          | 240 V AC $\pm 2$ %                       |
| Form of output voltage                   | Pure sine                                |
| Output current                           | nom. 7.5 A (200 V AC)                    |
|                                          | nom. 7.1 A (210 V AC)                    |
|                                          | nom. 6.8 A (220 V AC)                    |
|                                          | nom. 6.5 A (230 V AC)                    |
| Static Boost ( $I_{\text{Stat.Boost}}$ ) | nom. 6.3 A (240 V AC)                    |
| Maximum no-load power dissipation        | 35 W                                     |
| Power loss nominal load max.             | < 60 W (100% load, battery charged)      |
| Nominal output frequency                 | 50 Hz                                    |
|                                          | 60 Hz                                    |
|                                          | $\pm 0.5$ % (Output frequency tolerance) |
| Electronic current limitation            | > 2,5 x Output: Current nom. (> 200 ms)  |

## Battery operation

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Maximum no-load power dissipation      | 32 W                                     |
| Power loss nominal load max.           | 130 W (100% load, battery charged)       |
| Nominal output frequency               | 50 Hz                                    |
|                                        | 60 Hz                                    |
|                                        | $\pm 0.5$ % (Output frequency tolerance) |
| Total harmonic distortion factor (THD) | < 3 % (linear load)                      |
|                                        | < 8 % (non-linear load)                  |
| Electronic current limitation          | > 2,5 x Output: Current nom. (> 200 ms)  |

## Energy storage

### Input

|                        |                 |
|------------------------|-----------------|
| Input voltage          | 48 V DC         |
|                        | max. 60 V DC    |
| Input current          | max. 40 A       |
| Nominal capacity range | 7 Ah ... 200 Ah |
| Charging current       | max. 7 A        |

### Output

|                       |                  |
|-----------------------|------------------|
| Short-circuit current | 650 A (< 1,5 ms) |
|-----------------------|------------------|

### General

|                        |        |
|------------------------|--------|
| Connection in parallel | yes    |
|                        | max. 5 |

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

|                         |      |
|-------------------------|------|
| Connection in series    | no   |
| IQ-Technology           | yes  |
| Permissible backup fuse | 40 A |
| Temperature sensor      | yes  |
| Permissible backup fuse | 40 A |

## Connection data

### Input

|                |                  |
|----------------|------------------|
| Position       | 1.x              |
| Identification | 1.1 (L), 1.2 (N) |

### Connection technology

|                  |                  |
|------------------|------------------|
| Position marking | 1.1 (L), 1.2 (N) |
|------------------|------------------|

### Conductor connection

|                                              |                                           |
|----------------------------------------------|-------------------------------------------|
| Connection method                            | Push-in connection                        |
| rigid                                        | 1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> |
| flexible                                     | 1.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> |
| flexible with ferrule without plastic sleeve | 1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| flexible with ferrule with plastic sleeve    | 1.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| AWG                                          | 16 ... 10                                 |
| Stripping length                             | 10 mm                                     |
| Position                                     | 1.x                                       |
| Identification                               | 1.3 (⊕, ⊖, IEC 60364)                     |

### Connection technology

|                  |                       |
|------------------|-----------------------|
| Position marking | 1.3 (⊕, ⊖, IEC 60364) |
|------------------|-----------------------|

### Conductor connection

|                                              |                                           |
|----------------------------------------------|-------------------------------------------|
| Connection method                            | Push-in connection                        |
| rigid                                        | 2.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> |
| flexible                                     | 2.5 mm <sup>2</sup> ... 6 mm <sup>2</sup> |
| flexible with ferrule without plastic sleeve | 2.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| flexible with ferrule with plastic sleeve    | 2.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| AWG                                          | 14 ... 10                                 |
| Stripping length                             | 10 mm                                     |

### Output

|                |                                                   |
|----------------|---------------------------------------------------|
| Position       | 2.x                                               |
| Identification | 2.1 (L), 2.2 (L'), 2.3 (N), 2.4 (⊕, ⊖, IEC 60364) |

### Connection technology

|                  |                                                   |
|------------------|---------------------------------------------------|
| Position marking | 2.1 (L), 2.2 (L'), 2.3 (N), 2.4 (⊕, ⊖, IEC 60364) |
|------------------|---------------------------------------------------|

### Conductor connection

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

|                                              |                    |
|----------------------------------------------|--------------------|
| Connection method                            | Push-in connection |
| rigid                                        | 1.5 mm² ... 6 mm²  |
| flexible                                     | 1.5 mm² ... 6 mm²  |
| flexible with ferrule without plastic sleeve | 1.5 mm² ... 4 mm²  |
| flexible with ferrule with plastic sleeve    | 1.5 mm² ... 4 mm²  |
| AWG                                          | 16 ... 10          |
| Stripping length                             | 10 mm              |

## Battery

|                |          |
|----------------|----------|
| Position       | 4.x      |
| Identification | 4.1, 4.2 |

## Connection technology

|                  |                  |
|------------------|------------------|
| Position marking | 4.1 (+), 4.2 (-) |
|------------------|------------------|

## Conductor connection

|                                              |                    |
|----------------------------------------------|--------------------|
| Connection method                            | Push-in connection |
| rigid                                        | 6 mm² ... 16 mm²   |
| flexible                                     | 6 mm² ... 16 mm²   |
| flexible with ferrule without plastic sleeve | 6 mm² ... 16 mm²   |
| flexible with ferrule with plastic sleeve    | 6 mm² ... 16 mm²   |
| AWG                                          | 8 ... 6            |
| Stripping length                             | 18 mm              |

## Signal

|                |             |
|----------------|-------------|
| Position       | 3.x         |
| Identification | 3.1 ... 3.9 |

## Connection technology

|                  |                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Position marking | 3.1 (Alarm), 3.2 (Bat.-Mode), 3.3 (Power Good), 3.4 (Ready), 3.5 (P>Pn), 3.6 (Service Required), 3.7 (Bat.-Start), 3.8 (Remote), 3.9 (SGnd) |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------|

## Conductor connection

|                                              |                     |
|----------------------------------------------|---------------------|
| Connection method                            | Push-in connection  |
| rigid                                        | 0.2 mm² ... 4 mm²   |
| flexible                                     | 0.2 mm² ... 4 mm²   |
| flexible with ferrule without plastic sleeve | 0.2 mm² ... 2.5 mm² |
| flexible with ferrule with plastic sleeve    | 0.2 mm² ... 2.5 mm² |
| AWG                                          | 24 ... 12           |
| Stripping length                             | 10 mm               |

## Interfaces

|                      |                                        |
|----------------------|----------------------------------------|
| Interface            | Battery module communication interface |
| Number of interfaces | 1                                      |
| Connection method    | RJ45                                   |

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

|                      |                                            |
|----------------------|--------------------------------------------|
| Position             | 5.x                                        |
| Locking              | Locking clip                               |
| Transmission physics | Twisted-Pair 4x2                           |
| Interface            | Parallel operation communication interface |
| Number of interfaces | 2                                          |
| Connection method    | RJ45                                       |
| Position             | 5.x                                        |
| Locking              | Locking clip                               |
| Transmission physics | Twisted-Pair 4x2                           |

## Signaling

### Signal input Bat.-Start

|             |                                                             |
|-------------|-------------------------------------------------------------|
| Low signal  | Connection to SGnd with $< 2.7 \text{ k}\Omega$             |
| High signal | Open ( $> 200 \text{ k}\Omega$ between Bat.-Start and SGnd) |

### Signal input Remote

|             |                                                        |
|-------------|--------------------------------------------------------|
| Low signal  | Connection to SGnd with $< 2.7 \text{ k}\Omega$        |
| High signal | Open ( $> 35 \text{ k}\Omega$ between Remote and SGnd) |

### Signal output Alarm

|                           |                           |
|---------------------------|---------------------------|
| Position                  | 3.x                       |
| Signalization designation | Alarm                     |
| Position marking          | 3.1 (Alarm)               |
| Switching output          | Transistor output, active |
| Output voltage            | 24 V                      |
| Continuous load current   | $\leq 20 \text{ mA}$      |

### Signal output Battery Mode

|                           |                           |
|---------------------------|---------------------------|
| Position                  | 3.x                       |
| Signalization designation | Bat.-Mode                 |
| Position marking          | 3.2 (Bat.-Mode)           |
| Switching output          | Transistor output, active |
| Output voltage            | 24 V                      |
| Continuous load current   | $\leq 20 \text{ mA}$      |

### Signal output Power Good

|                           |                           |
|---------------------------|---------------------------|
| Position                  | 3.x                       |
| Signalization designation | Power Good                |
| Position marking          | 3.3 (Power Good)          |
| Switching output          | Transistor output, active |
| Output voltage            | 24 V                      |
| Continuous load current   | $\leq 20 \text{ mA}$      |

### Signal output Ready

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

|                           |                           |
|---------------------------|---------------------------|
| Position                  | 3.x                       |
| Signalization designation | Ready                     |
| Position marking          | 3.4 (Ready)               |
| Switching output          | Transistor output, active |
| Output voltage            | 24 V                      |
| Continuous load current   | ≤ 20 mA                   |

## Signal output $P > P_N$

|                           |                           |
|---------------------------|---------------------------|
| Position                  | 3.x                       |
| Signalization designation | $P > P_n$                 |
| Position marking          | 3.5 ( $P > P_n$ )         |
| Switching output          | Transistor output, active |
| Output voltage            | 24 V                      |
| Continuous load current   | ≤ 20 mA                   |

## Signal output Service Required

|                           |                           |
|---------------------------|---------------------------|
| Position                  | 3.x                       |
| Signalization designation | Service Required          |
| Position marking          | 3.6 (Service Required)    |
| Switching output          | Transistor output, active |
| Output voltage            | 24 V                      |
| Continuous load current   | ≤ 20 mA                   |

## Signal ground SGnd

|                     |                                      |
|---------------------|--------------------------------------|
| Function            | Signal ground                        |
| Reference potential | For signal inputs and signal outputs |

## Product properties

|                |              |
|----------------|--------------|
| Product type   | AC UPS       |
| Product family | QUINT AC UPS |

## Insulation characteristics

|                      |    |
|----------------------|----|
| Protection class     | I  |
| Overvoltage category | II |
| Pollution degree     | 2  |

## Dimensions

### Item dimensions

|        |        |
|--------|--------|
| Width  | 150 mm |
| Height | 240 mm |
| Depth  | 143 mm |

### Drill hole

|          |        |
|----------|--------|
| Diameter | 5.5 mm |
|----------|--------|

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

## Installation dimensions

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

## Mounting

|               |                |
|---------------|----------------|
| Mounting type | Panel mounting |
|---------------|----------------|

## Environmental and real-life conditions

### Ambient conditions

|                                                |                                                    |
|------------------------------------------------|----------------------------------------------------|
| Degree of protection                           | IP20                                               |
| Ambient temperature (operation)                | -25 °C ... 60 °C (> 50 °C: 2,5 % / K)              |
| Ambient temperature (storage/transport)        | -40 °C ... 85 °C                                   |
| Maximum altitude                               | ≤ 4000 m (> 1000 m: 3 % / 1000 m)                  |
| Max. permissible relative humidity (operation) | ≤ 95 %                                             |
| Shock                                          | 30g in each direction, according to IEC 60068-2-27 |
| Vibration (operation)                          | 5 Hz ... 100 Hz, 0.7g (EN 60068-2-6)               |

## Standards and regulations

### Uninterruptible power supply systems

|                          |                                      |
|--------------------------|--------------------------------------|
| Standard designation     | Uninterruptible power supply systems |
| Standards/specifications | EN 62040-1                           |
|                          | EN 62040-2                           |

## EMC data

|                               |                                                   |
|-------------------------------|---------------------------------------------------|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU         |
| Low Voltage Directive         | Conformance with Low Voltage Directive 2014/35/EC |
| Interference emission         | Noise emission                                    |
| Noise immunity                | Immunity                                          |

### Electrostatic discharge

|                       |              |
|-----------------------|--------------|
| Standards/regulations | EN 61000-4-2 |
|-----------------------|--------------|

### Electrostatic discharge

|                   |             |
|-------------------|-------------|
| Contact discharge | ± 6 kV      |
| Discharge in air  | ± 8 kV      |
| Comments          | Criterion A |

### Electromagnetic HF field

|                       |              |
|-----------------------|--------------|
| Standards/regulations | EN 61000-4-3 |
|-----------------------|--------------|

### Electromagnetic HF field

|                     |                  |
|---------------------|------------------|
| Frequency range     | 80 MHz ... 6 GHz |
| Test field strength | 10 V/m           |

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

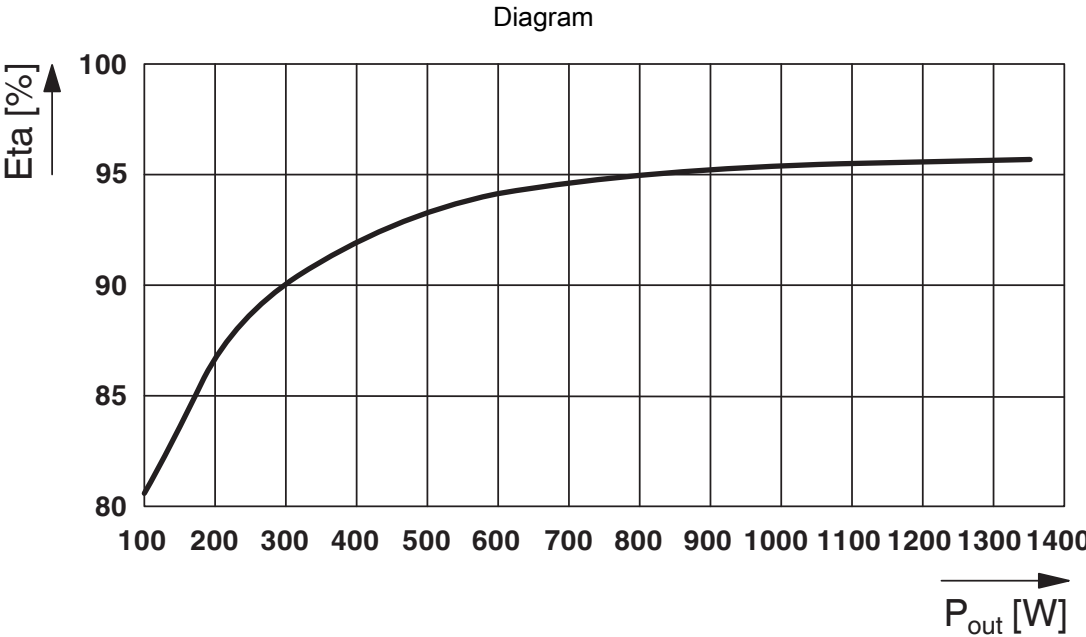
| Comments                              | Criterion A                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Fast transients (burst)               |                                                                                      |
| Standards/regulations                 | EN 61000-4-4                                                                         |
| Fast transients (burst)               |                                                                                      |
| Input                                 | ± 2 kV                                                                               |
|                                       | ± 2 kV                                                                               |
| Output                                | ± 2 kV                                                                               |
| Signal                                | ± 2 kV                                                                               |
|                                       | ± 2 kV (Communication parallel operation, battery module)                            |
| Comments                              | Criterion A                                                                          |
| Surge voltage load (surge)            |                                                                                      |
| Standards/regulations                 | EN 61000-4-5                                                                         |
| Surge voltage load (surge)            |                                                                                      |
| Signal                                | 1 kV (asymmetrical)                                                                  |
| Comments                              | Criterion B                                                                          |
| Input/Output                          | ± 1 kV (symmetrical)                                                                 |
|                                       | ± 2 kV (asymmetrical)                                                                |
| Conducted interference                |                                                                                      |
| Standards/regulations                 | EN 61000-4-6                                                                         |
| Conducted interference                |                                                                                      |
| Frequency range                       | 0.15 MHz ... 80 MHz                                                                  |
| Signal                                | 10 V (asymmetrical)                                                                  |
| Comments                              | Criterion A                                                                          |
| Power frequency magnetic field        |                                                                                      |
| Standards/regulations                 | EN 61000-4-8                                                                         |
| Frequency                             | 50 Hz                                                                                |
| Signal                                | 30 A/m                                                                               |
| Comments                              | Criterion A                                                                          |
| Harmonic and interharmonic components |                                                                                      |
| Standards/regulations                 | EN 61000-4-13                                                                        |
| Harmonic and interharmonic components |                                                                                      |
| Comments                              | Criterion A                                                                          |
| Criteria                              |                                                                                      |
| Criterion A                           | Normal operating behavior within the specified limits.                               |
| Criterion B                           | Temporary impairment to operational behavior that is corrected by the device itself. |

QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply

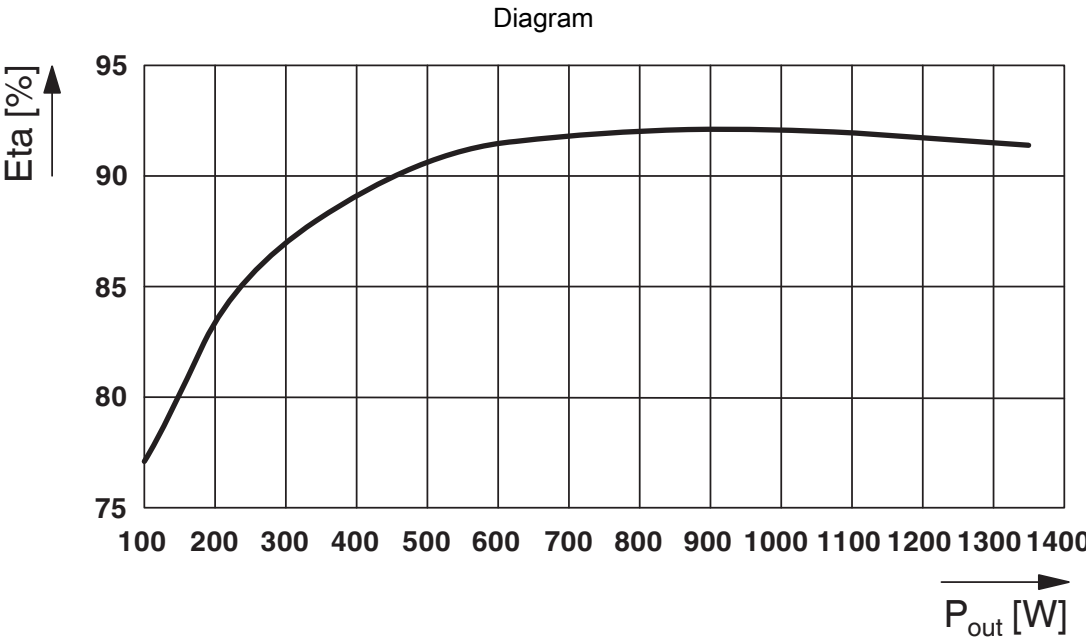


1136811  
<https://www.phoenixcontact.com/in/products/1136811>

Drawings



Efficiency (normal operation)



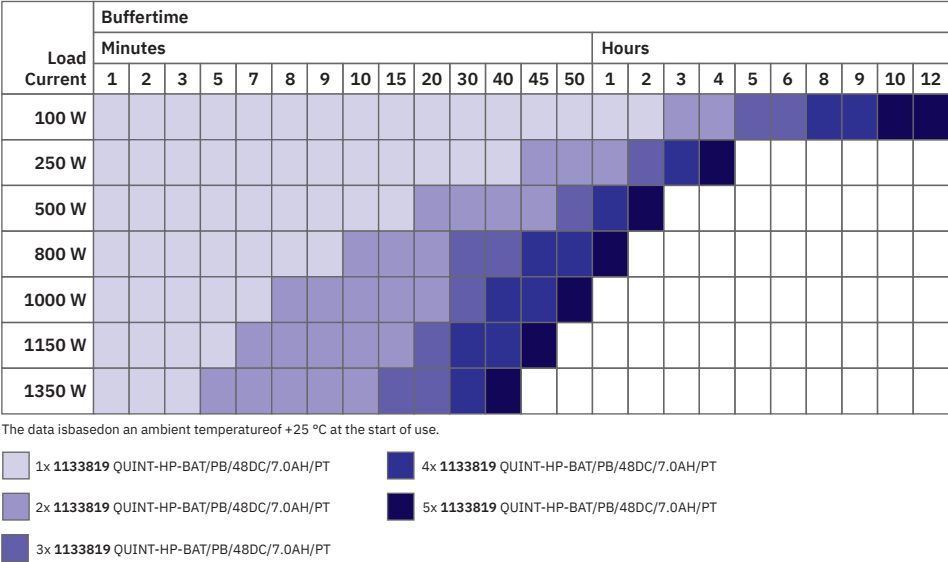
Efficiency (battery operation)

QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811  
<https://www.phoenixcontact.com/in/products/1136811>

Graphic



QUINT HP UPS 1.5 kVA buffer times

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811  
<https://www.phoenixcontact.com/in/products/1136811>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/in/products/1136811>



**IECEE CB Scheme**  
Approval ID: DK-140979-UL



**IECEE CB Scheme**  
Approval ID: DK-144719-UL

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811  
<https://www.phoenixcontact.com/in/products/1136811>

## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27040705 |
| ECLASS-11.0 | 27040705 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC000382 |
|----------|----------|

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811  
<https://www.phoenixcontact.com/in/products/1136811>

## Environmental product compliance

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| EU RoHS                                 |                                          |
| Fulfills EU RoHS substance requirements | Yes, No exemptions                       |
| China RoHS                              |                                          |
| Environment friendly use period (EFUP)  | EFUP-E                                   |
|                                         | No hazardous substances above the limits |
| EU REACH SVHC                           |                                          |
| REACH candidate substance (CAS No.)     | No substance above 0.1 wt%               |

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

## Accessories

### PLT-SEC-T3-230-FM-UT - Type 3 surge protection device

2907919

<https://www.phoenixcontact.com/in/products/2907919>



Type 2/3 surge protection, consisting of protective plug and base element with screw connection. For single-phase power supply network with integrated status indicator and remote signaling. Nominal voltage: 230 V AC/DC

---

### QUINT-HP-BAT/PB/48DC/7.0AH/PT - Battery module

1133819

<https://www.phoenixcontact.com/in/products/1133819>



Battery module (device with battery), VRLA-AGM, 48 V DC, 7 Ah

# QUINT-HP-UPS/230AC/1.5KVA/PT - Uninterruptible power supply



1136811

<https://www.phoenixcontact.com/in/products/1136811>

## QUINT-HP-COM/USB-SER - Interface card

1252055

<https://www.phoenixcontact.com/in/products/1252055>

USB/RS-232/RS-485 interface card for QUINT-HP-AC UPS



---

## QUINT-HP-FAN - Fan

1252068

<https://www.phoenixcontact.com/in/products/1252068>

Replaceable fan module for QUINT-HP-AC UPS



---

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.

A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420

[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)