



Your advantages at a glance

The first intelligent QUINT DC UPS for integration into established industrial networks.

Easy integration into industrial networks

- PROFINET
- EtherNet/IP
- EtherCAT

Intelligent battery management

- Automatic battery detection: VRLA, VRLA-WTR, and LiFePo4 battery technologies with different capacities.
- IQ Technology: reliable determination of remaining service life in months and remaining buffer times in minutes.









Extended load management

- Energy monitoring
- PC shutdown function
- Cold start function



IQ Technology
Designed by PHOENIX CONTACT

QUINT DC UPS

				
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Industrial Ethernet

The QUINT DC UPS can be easily integrated into any Industrial Ethernet network via a large number of interfaces.

Network technologies

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2-port switch

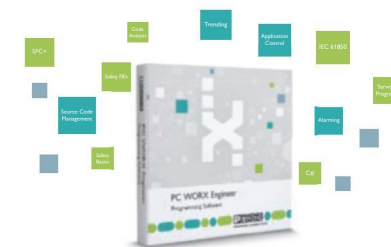
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Function blocks

- We include the appropriate function blocks for the following engineering environments with every delivery:
 - PC Worx
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IQ Technology for an intelligent UPS system

With its IQ Technology and the industry's strongest battery charger, the battery management system ensures superior system availability.

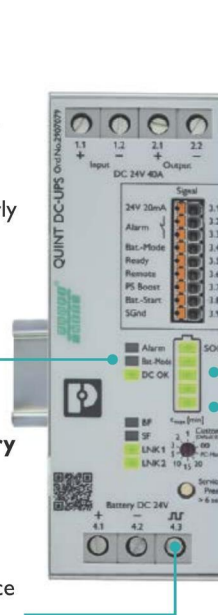
SOH

(State of Health)

Reports the service life remaining for the energy storage device, provides early warning of failures.

Intelligent Battery Control

Detects the connected battery type and maximizes the remaining service life via an optimally adapted charging characteristic.



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SOC

(State of Charge)

Describes the current charge status and the remaining energy storage life.

Intelligent Charging

Adapts the charging current and ensures the fastest possible recharging and availability with the industry's strongest battery charger.

Energy storage

With the energy storage units for our modular system of uninterruptible power supplies, you always have the optimum solution on hand for your application.



UPS-BAT/LI-ION...

- Long service life with long buffer times
- Lithium iron phosphate technology
- 120 Wh, 924 Wh

UPS-BAT/VRLA-WTR... (Valve Regulated Lead Acid / Wide Temperature Range)

- Maximum buffer times at extreme temperatures
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- 13 Ah, 26 Ah

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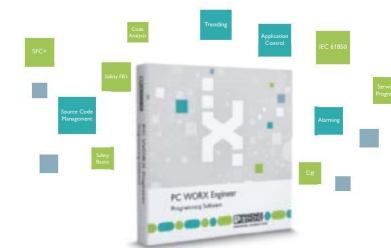
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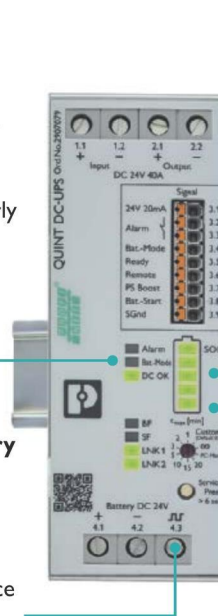
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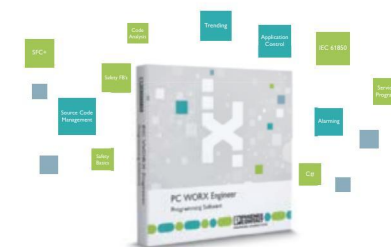
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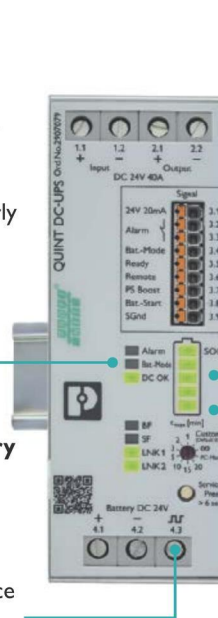
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Intelligent and communicative
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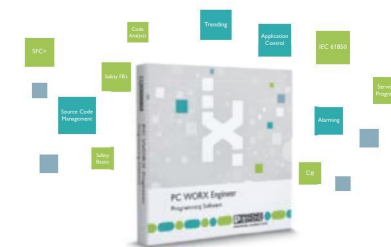
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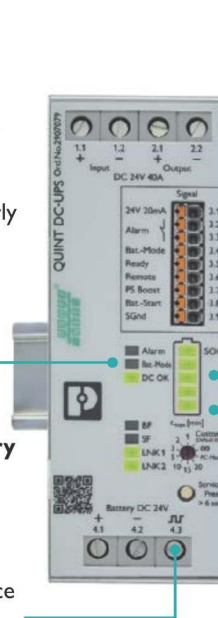
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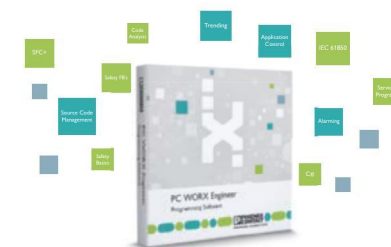
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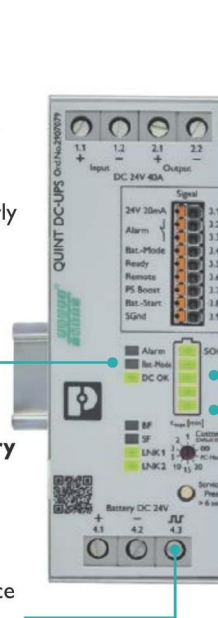
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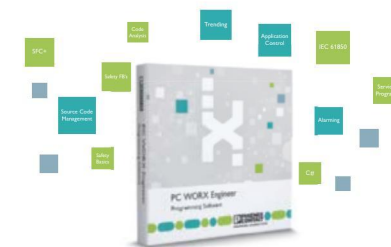
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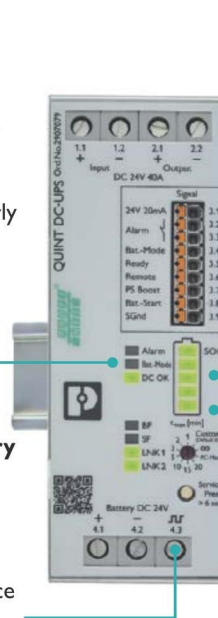
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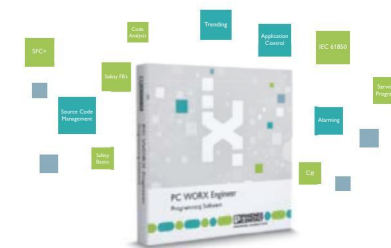
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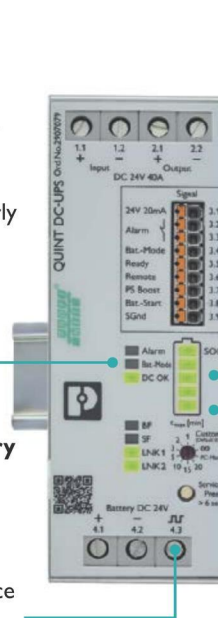
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The QUINT AC UPS supplies a pure sine wave at the output during grid and battery operation.

Smooth transition thanks to online topology

- Classification in accordance with EN 62040-3: VFI-SS-111

Pure sine wave in grid and battery operation

- The sine wave generated in battery operation is synchronized to the previously supplied grid electricity

Convection cooling

- Fan-free heat dissipation via convection cooling

USB interface

- For connecting with industry PCs and controllers

Startup from energy storage

- Even without power supply input

Can be switched in parallel

- For redundancy and increased performance

Comprehensive signaling and parameterization

- Floating relay contacts
- Signal contacts

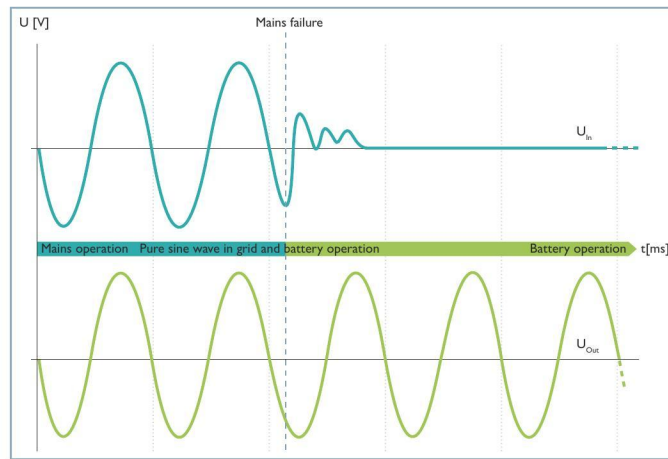
Optimum use of the buffer time and preventive monitoring of the energy storage

- Battery management system

QUINT AC UPS



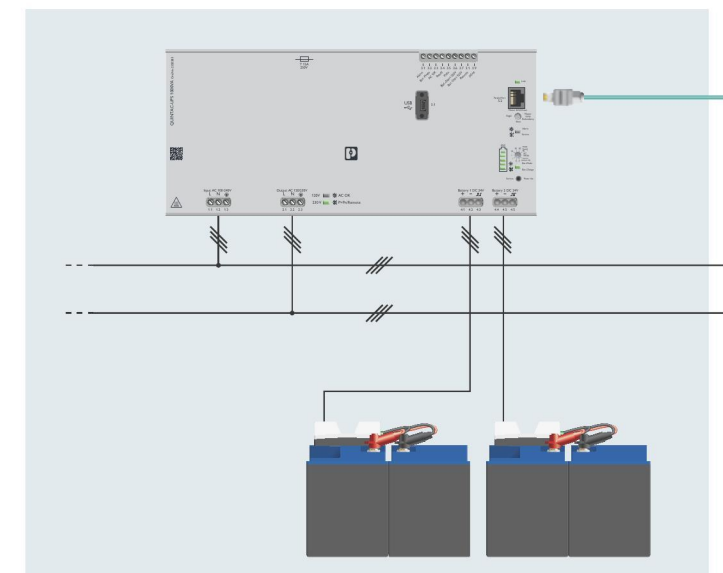
Description	QUINT AC UPS 900W/1kVA
Type	QUINT4 UPS/1AC/1AC/1KVA
W x H x D in mm	290 x 130 x 125
Nominal input voltage	120 V AC ... 230 V DC
Nominal output voltage	120 V AC ... 230 V DC
Apparent/active power	1000 VA/900 W
Order no.	2320283



Seamless switchover with a true sine wave: in the event of mains failure, the dual converter technology switches the UPS over seamlessly. The load is permanently supplied with pure sinusoidal voltage.

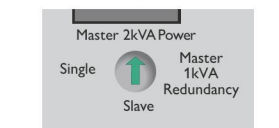
Parallel setup for redundancy or increased performance

The inputs of the QUINT AC UPS can be easily connected in parallel for even more security for critical applications or for doubling the power.

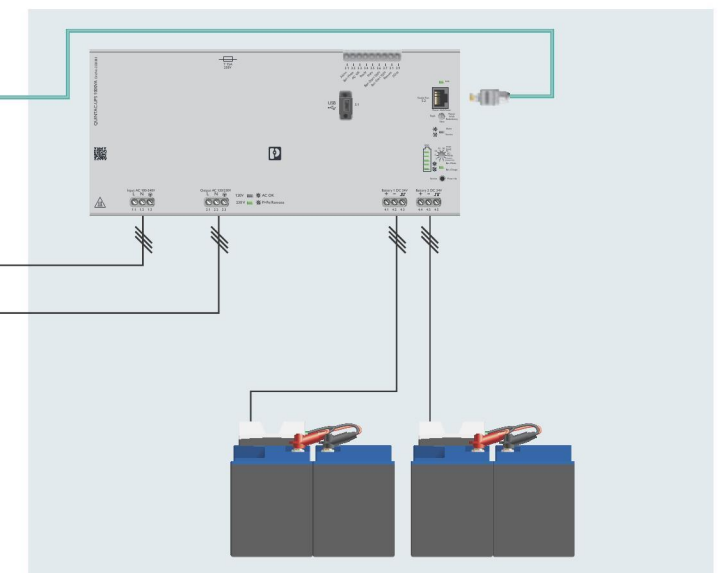


Parallel connection in six easy steps

1. Install the first QUINT AC UPS (fig. on left)
2. Simply configure this QUINT AC UPS as the master UPS using the rotary selector switch (increased power or redundancy)

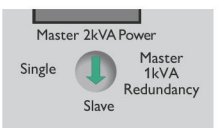


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3. Install the second QUINT AC UPS (fig. on right)

4. Simply configure this QUINT AC UPS as the slave UPS using the rotary selector switch
5. Connect the two uninterruptible power supplies (master and slave UPS) with a standard RJ45 patch cable
6. Start up the redundant system



Energy storage

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UPS-BAT/LI-ION...

- Long service life with long buffer times
- Lithium iron phosphate technology
- 120 WH, 924 Wh



UPS-BAT/VRLA-WTR... (Valve Regulated Lead Acid / Wide Temperature Range)

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Intelligent with pure sine wave QUINT AC UPS





Your advantages at a glance

The QUINT AC UPS supplies a pure sine wave at the output during grid and battery operation.

Smooth transition thanks to online topology

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USB interface

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Startup from energy storage

- Even without power supply input

Can be switched in parallel

- For redundancy and increased performance

Comprehensive signaling and parameterization

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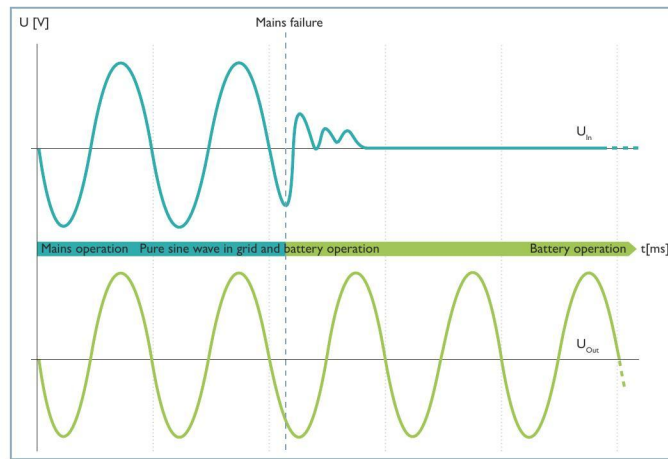
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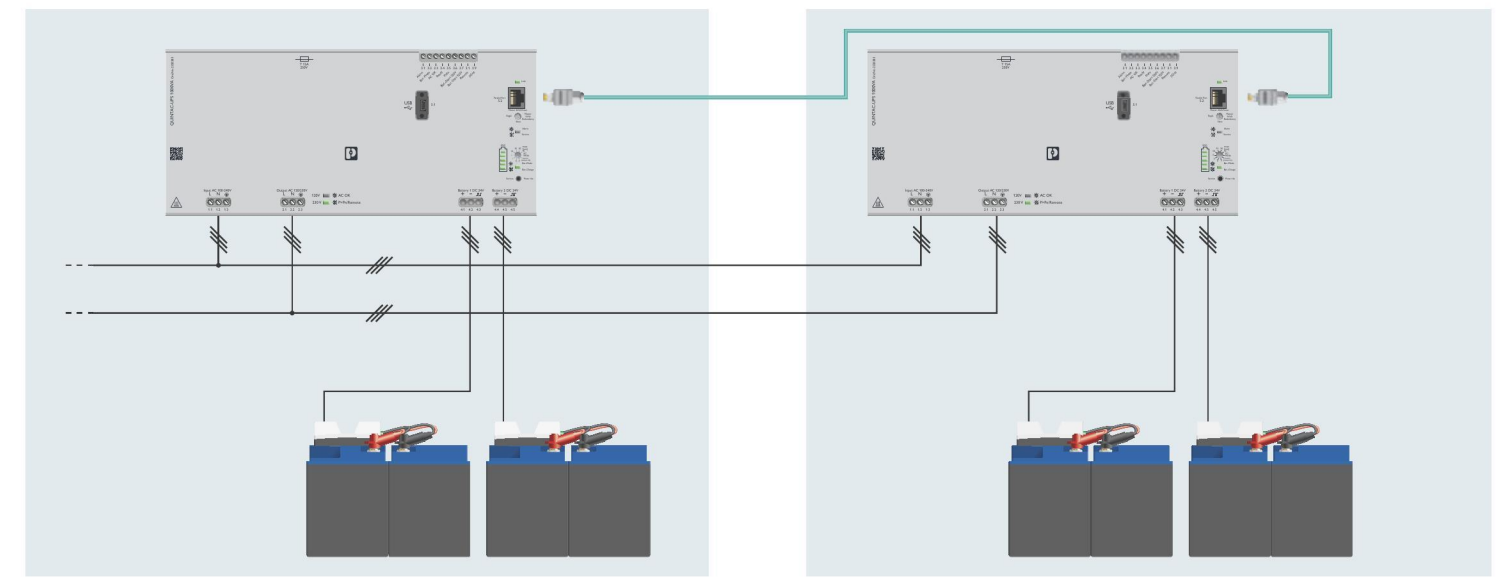


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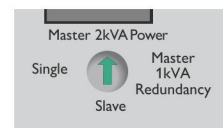
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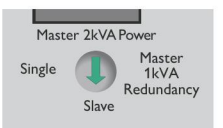


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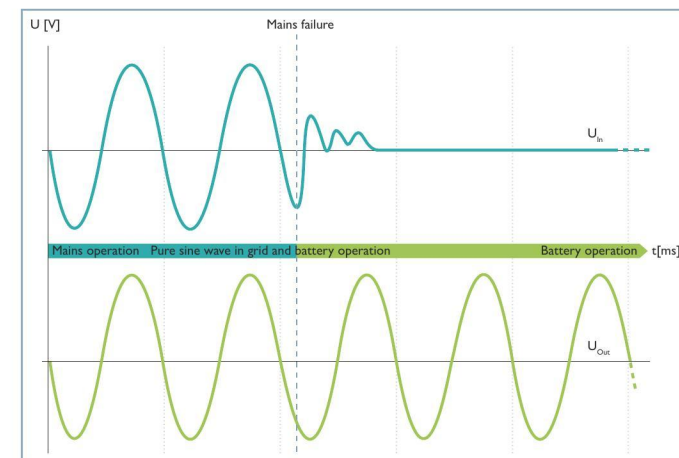
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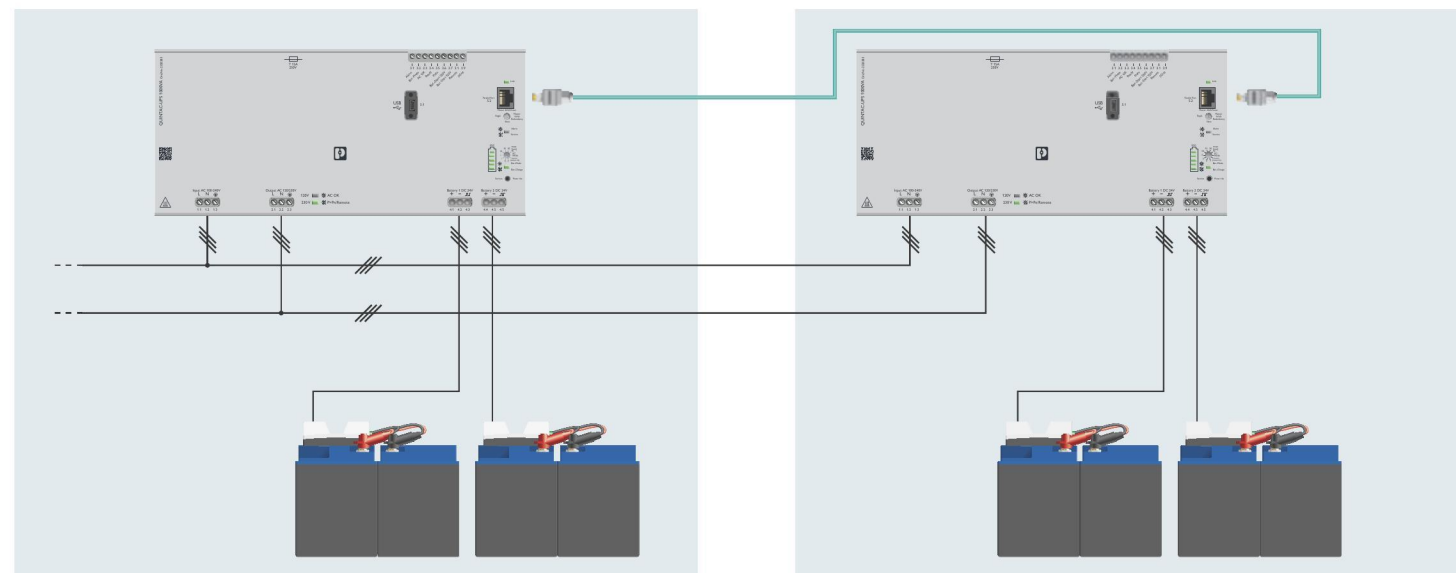


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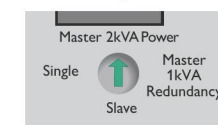
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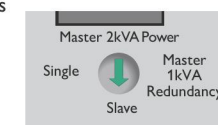
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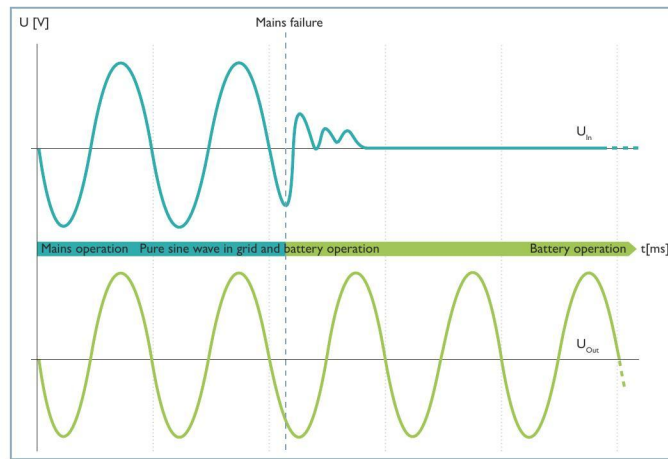
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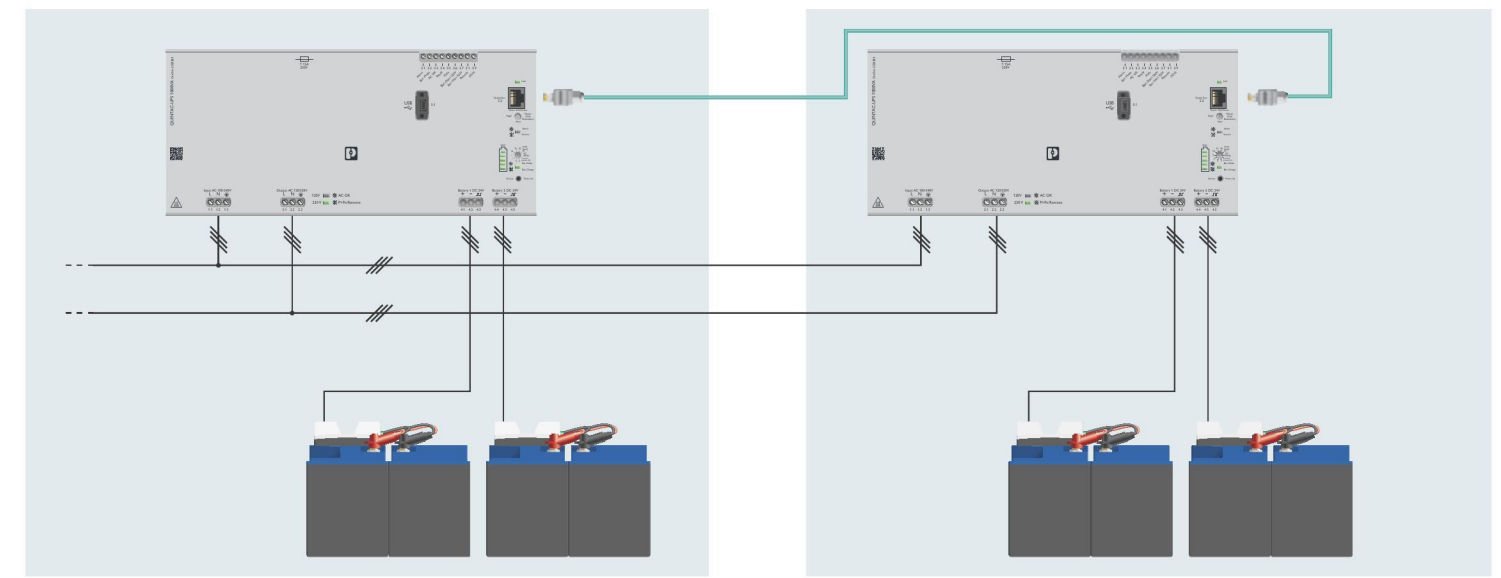


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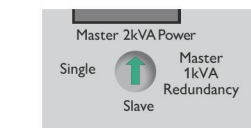
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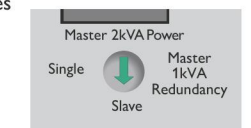


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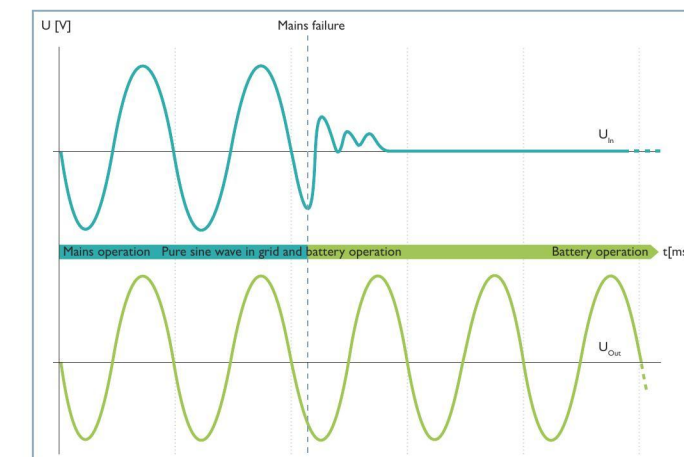
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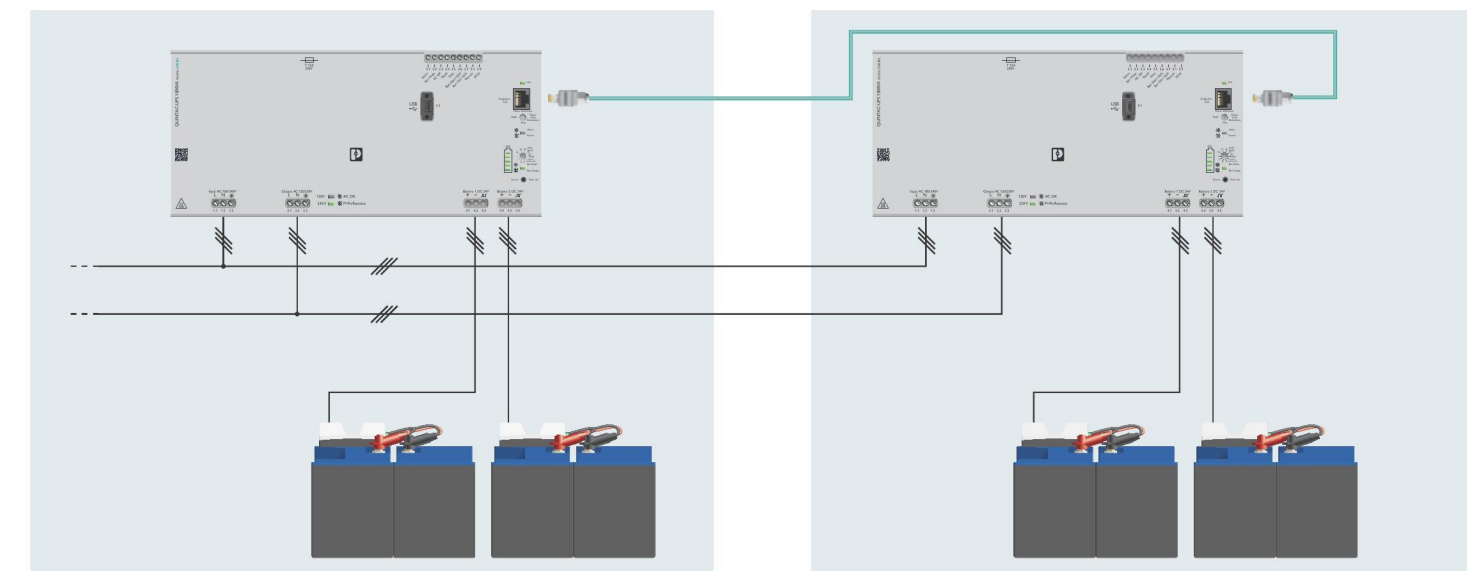


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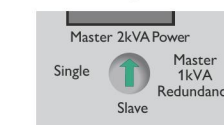
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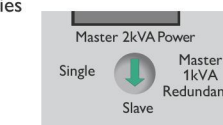


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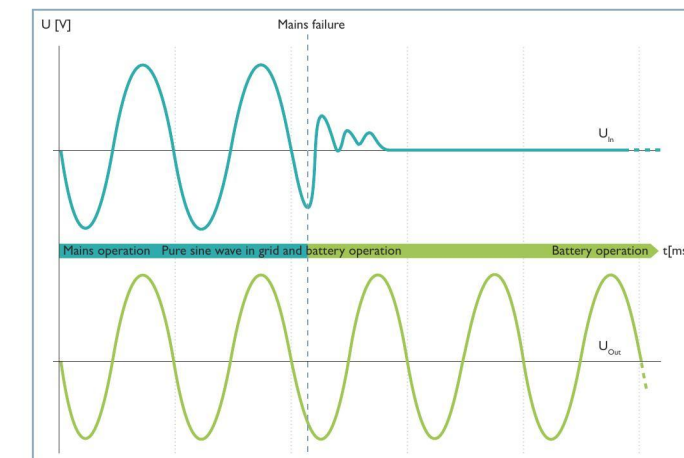
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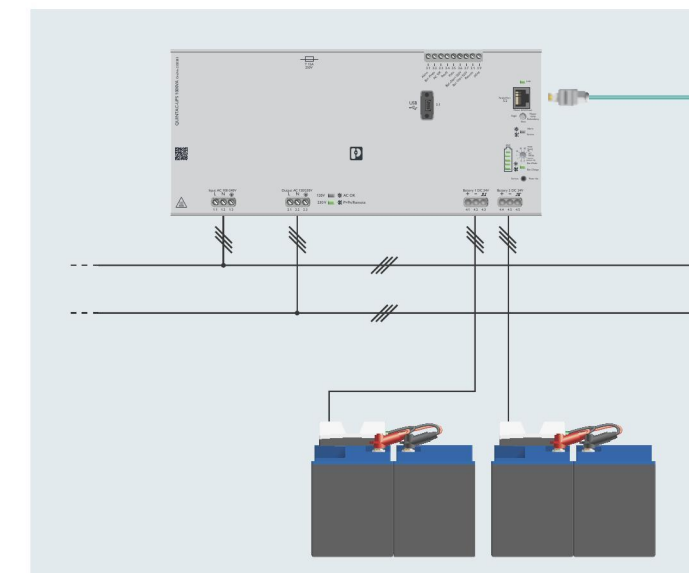
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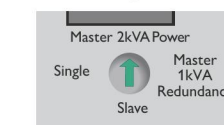
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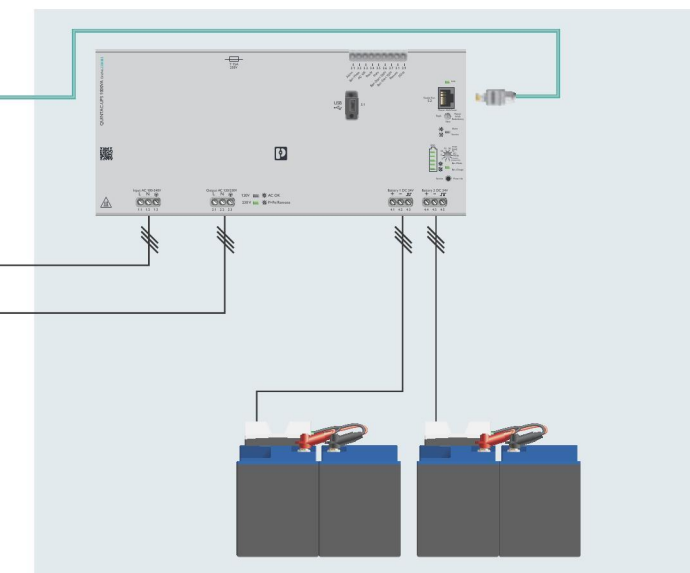


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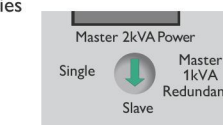
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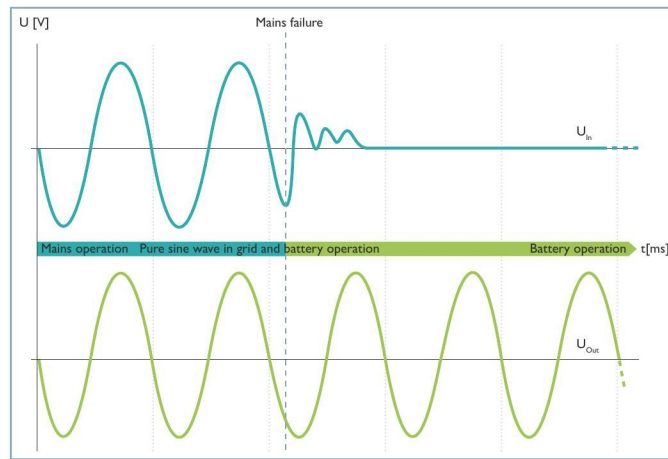
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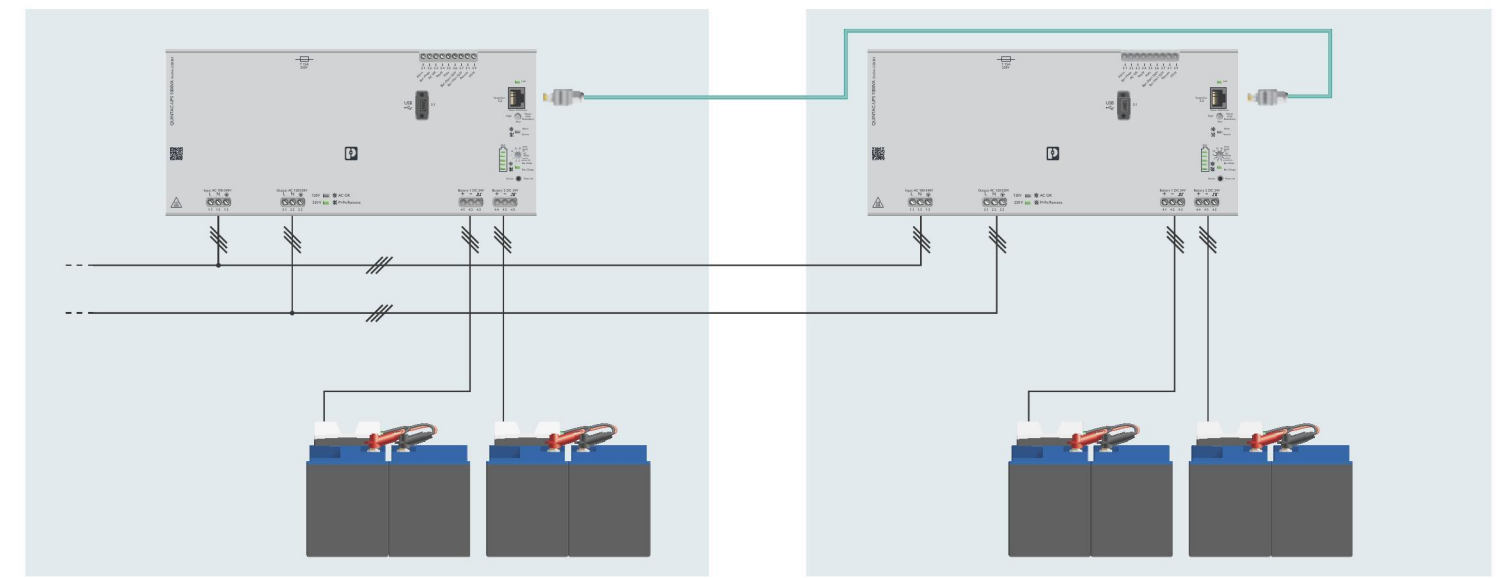


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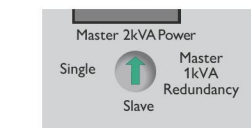
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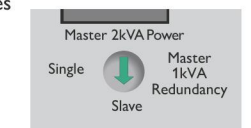


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