

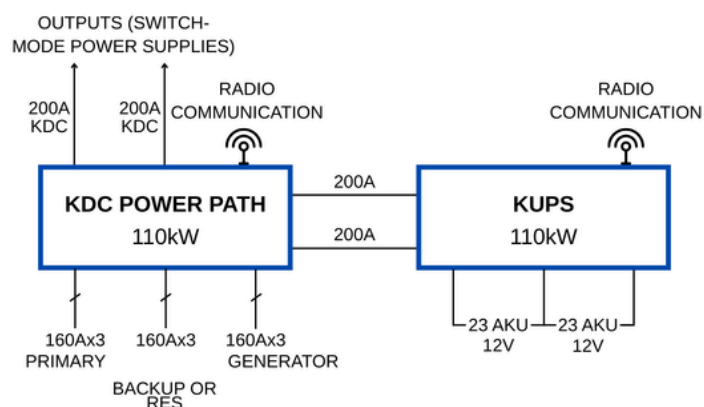


# KDC Power Supply

INNOVATIVE UNINTERRUPTIBLE  
POWER SUPPLY FOR IT DEVICES

The **KDC power path** is a guaranteed-power system for the switch-mode power supplies of IT devices. It consists of two cooperating blocks: the KDC pulsed-current power path and the KUPS emergency power supply. The system supports multiple power sources and enables their parallel operation thanks to a wireless controller. It ensures power continuity in the event of a phase loss, even without using the KUPS, and it is compatible with renewable energy sources. The system is characterized by very low energy losses — below 1% of the power delivered to end devices.

KDC POWER SUPPLY DIAGRAM



## Technical parameters

### Input

- ✓ 3 three-phase power sources: primary supply, backup supply, generator on demand
- ✓ Maximum input power: 110 kW
- ✓ Maximum input current: 3×160A
- ✓ Input voltage: 230V
- ✓ Capability for parallel operation of sources with wireless control

### Output

- ✓ 2 KDC circuits up to 200A
- ✓ Direct-current component of the electrical voltage
- ✓ Dedicated exclusively to AC 230V switch-mode power supplies
- ✓ Resistant to phase loss (as long as the path receives sufficient power on the functioning circuits)
- ✓ Compatible with renewable energy sources (RES) with a voltage in the range of 160–325V

### UPS (KUPS)

- ✓ Power: 110kW
- ✓ 2 KDC direct-current circuits up to 200A
- ✓ 2 circuits of 23×12V batteries with a minimum current of 200A
- ✓ Wireless controller
- ✓ Supports lead-acid, gel, AGM, and LiFePO<sub>4</sub> batteries
- ✓ UPS capacity depends on the type of batteries

Energy security is fundamental.  
Choose the reliability of the KDC power supply system.

