TECHNOLOGY

KR31 is a Online Double Conversion UPS with Three Phase In Single Phase Out (3/1) technology operating in the 10 – 20 kVA range.

Main Features:

- Online double conversion
- High reliability DSP control
- Advanced PFC technology
- Wide input voltage range
- DC cold start function
- Intelligent fan speed control
- Full protection function
- Advanced battery charging management
- Intelligent RS232 /RS485 Communication Port
- SNMP adapter or Dry contacts (optional)
- Advanced no-master-slave parallel technology (optional)

*Area of usage*

- ✔ IT-systems
- ✔ Data centers
- ✔ Precision instrument
- ✔ intelligent equipment
- ✔ Ships

# Specification

| | Model | KR3110S/KR3110 | KR3115 | KR3120 |
|---|---|---|---|---|
| **I N P U T** | Voltage (Vac) | 400 ± 25% | | |
| | Frequenzy (Hz) | 45 – 55 | | |
| | Power Factor | ≥ 0.95 | | |
| | Phase | Three phases in single phase out (L1, L2, L3, N, G) | | |
| | Bypass Voltage (Vac) | 180 – 255 | | |
| **O U T P U T** | Capacity (KVA/KW) | 10/7 | 15/10.5 | 20/14 |
| | Voltage (Vac) | 220/230/240 ± 2% | | |
| | Freqency (Hz) | 50/60 ± 1% (battery mode) | | |
| | Waveform | Pure sine wave THD <3% (Linear load) | | |
| | Overload | 105% – 125% load for 10 mins,  126% – 150% load for 1 min above 150% laod for 1 sec | | |
| | Transfer time | 0 | | |
| | Efficiency | 90% (linear load) | | |
| | Crest Factor | 3:1 | | |
| **B A T T E R Y** | Batt Voltage (Vdc) | 240 | | |
| | BATT Type | 16 x 7Ah 12v / External | External | |
| | Charger Current (A) MAX | 1/3.5 | 3.5 | |
| **O T H E R** | Maintenance Bypass | No | Yes | |
| | Communication Interface | RS232/RS485, dry contacts (SNMP adapter is optional) | | |
| | Display | LCD Display indicates frequency, voltage, load, battery voltage, etc. LED indicatres running status | | |
| | Alarm | Low battery, abnormal AC input, overload, UPS failure | | |
| | Protection | Low battery, overload, short-circuit, UPS-failure, and input over/low voltage | | |
| | Noise (dB) | <60 | | |
| | Working temperature °C | 0 – 40 | | |
| | Relative Humidity % | 0 – 95 (No condensation) | | |
| | Dimension (mm) (W x D x H] | 255x640x700/255x640x500 | 255x740x785 | |
| | Weight (Kg): Standard / Long backup | 100/35 | 52 | 55 |