

UNINTERRUPTIBLE POWER SUPPLIES

**POWER
SOLVE**

PKR Series 1KVA to 10KVA 19" Rack Mounting

www.powersolve.co.uk

Features

- Online Double Conversion Design
- High Input Power Factor
- Wide Input Voltage Range
- Automatic Bypass
- Intelligent RS232 Communication Port
- UPS Management Software
- External SNMP, USB or Dry Contacts (optional)
- External Battery Bank for increased Hold Up Time (optional)
- 19" Rack Mounting 1KVA 2U, 2KVA & 3KVA 4U,
6KVA 5U + 3U Battery Rack & 10KVA 5U + 2 X 3U Battery Racks
- Can also be mounted as stand alone tower unit.
- Fitted with Yuasa NPW45 Series batteries, optional 10 year life versions
- 5 year warranty (excluding batteries, unless 10 year life versions fitted)



Electrical Specification

INPUT

| | | |
|----------------------------|--|---|
| AC Input Range: | 230VAC Input Model 115VAC Input Model | 120-276VAC 50% load, 140-276VAC 75% load, 160-276VAC 100% load 80-138VAC all load conditions. 6kVA and 10kVA not available with 115VAC input |
| Power Factor: | | >0.98 |
| Total Harmonic Distortion: | | ≤5% |
| Input Frequency Range: | | 50/60Hz ±5% |
| Battery Voltage: | | See table |

OUTPUT

| | | |
|-----------------------------|--|---|
| Power (VA): | | See table |
| Power Factor: | | 0.7 |
| Output Voltage & Frequency: | | 220/230/240VAC ±2% 50Hz or 110/120VAC ±2% 60Hz factory set |
| Waveform: | | Pure sine wave |
| Total Harmonic Distortion: | | <3% (linear load) |
| Overload: | | 105-130% for 60 Secs, 131-150% for 30 Secs, >150% for 300mS |
| Efficiency: | | AC-AC 95%, Battery to AC 88% |

TRANSFER TIME

| | | |
|--------------------------|--|------|
| AC to Battery Back Up: | | Zero |
| Inverter to Bypass Mode: | | 4mS |

BATTERY

| | | |
|------------------|--|--|
| Back Up Time: | | See table |
| Charger Current: | | 4.5 Amp 1kVA to 3kVA models, 3 Amp 6kVA to 10kVA models |
| Recharge Time: | | <3 hours to 90% or <4 hours for 6kVA & 10kVA (standard battery pack & charger) |
| Battery Type: | | Yuasa NPW45-12, optional 10 year life versions |

OTHER FEATURES

| | | |
|------------------------|--|---|
| RS232 Port: | | Supports UPS power management software or UPSilon 2000 |
| SNMP (optional): | | Power management from SNMP manager and Web browser |
| USB Port (optional): | | Windows family |
| Dry Contacts: | | DB9 Type or AS400 Card |
| Display: | | LED indicates UPS status, LCD shows volts, frequency etc. |
| Alarm: | | Low battery voltage, abnormal power supply, UPS failure |
| Protection: | | Low battery voltage, overload, short circuit & over temperature |
| Audible Noise (dB): | | <45dBA 1-3kVA models, <60dBA 6kVA & 10kVA models |
| Operating Temperature: | | 0 to 40°C |
| Relative Humidity: | | 0-95% non condensing |
| Dimensions & Weights | | See table |
| EMC: | | EN61000-3-2, EN61000-3-3, EN50091-2 CE marked |
| Safety: | | EN62040-1-1 for UPS Systems CE marked |

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Order Code

| Model | AC Input/Output | Power Rating | Battery Autonomy (Standard Battery Pack) | Dimensions | Weight |
|--------------|-----------------|-----------------|---|--|-----------------------------|
| PKR1000-230 | 230/230VAC | 1000VA (700W) | 11 minutes full load 27 minutes 500VA | 1 x 2U Rack W440 x D460 x 2U | 14 Kg |
| PKR2000-230 | 230/230VAC | 2000VA (1400W) | 11 minutes full load 23 minutes 1000VA | 2 x 2U Rack W440 x D460 x 2U | 10 Kg +23 Kg Batt Rack |
| PKR3000-230 | 230/230VAC | 3000VA (2100W) | 7 minutes full load 10 minutes 1500VA | 2 x 2U Rack W440 x D460 x 2U | 10 Kg +28 Kg Batt Rack |
| PKR6000-230 | 230/230VAC | 6000VA (4200W) | 4 minutes full load 12 minutes 3000VA | 1 x 5U x W440 x D660 1 x 3U x W440 x D660 | 30 Kg +45 Kg Batt Rack |
| PKR10000-230 | 230/230VAC | 10000VA (7000W) | 6 minutes full load 15 minutes 5000VA | 1 x 5U x W440 x D670 2 x 3U x W440 x D660 | 35 Kg 2 x 45Kg Batt Rack |
| PKR1000-115 | 115/115VAC | 1000VA (700W) | 11 minutes full load 27 minutes 500VA | 1 x 2U Rack W440 x D460 x 2U | 14 Kg |
| PKR2000-115 | 115/115VAC | 2000VA (1400W) | 11 minutes full load 23 minutes 1000VA | 2 x 2U Rack W440 x D460 x 2U | 10 Kg +23 Kg Batt Rack |
| PKR3000-115 | 115/115VAC | 3000VA (2100W) | 7 minutes full load 10 minutes 1500VA | 2 x 2U Rack W440 x D460 x 2U | 10 Kg +28 Kg Batt Rack |

Front view showing 2U UPS + Battery Cabinet as per PKR2000 & PKR3000
PKR1000 is only 2U with integral batteries when fitted with standard battery configuration



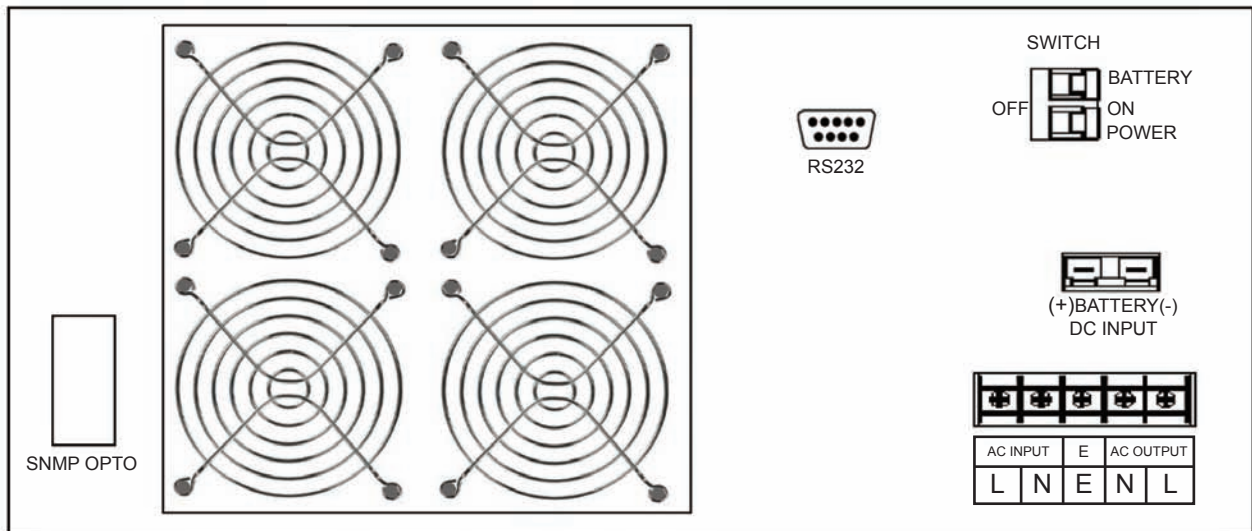
Rear view of PKR1000 showing IEC inlet and 6 x IEC outlet sockets. RS232 communication is via a 9 pin D Type connector



Rear view of PKR2000 & PKR3000 Series showing AC screw terminal input connector (IEC inlet available for 230VAC input versions), DC battery connectors, IEC outlets and isolation switch.



Rear panel connections of 6kVA and 10kVA models



Options:

1. Dry contacts - DB9 or AS400 Relay Card
2. USB Card
3. SNMP Network Card

Consult Sales Office for details