

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.

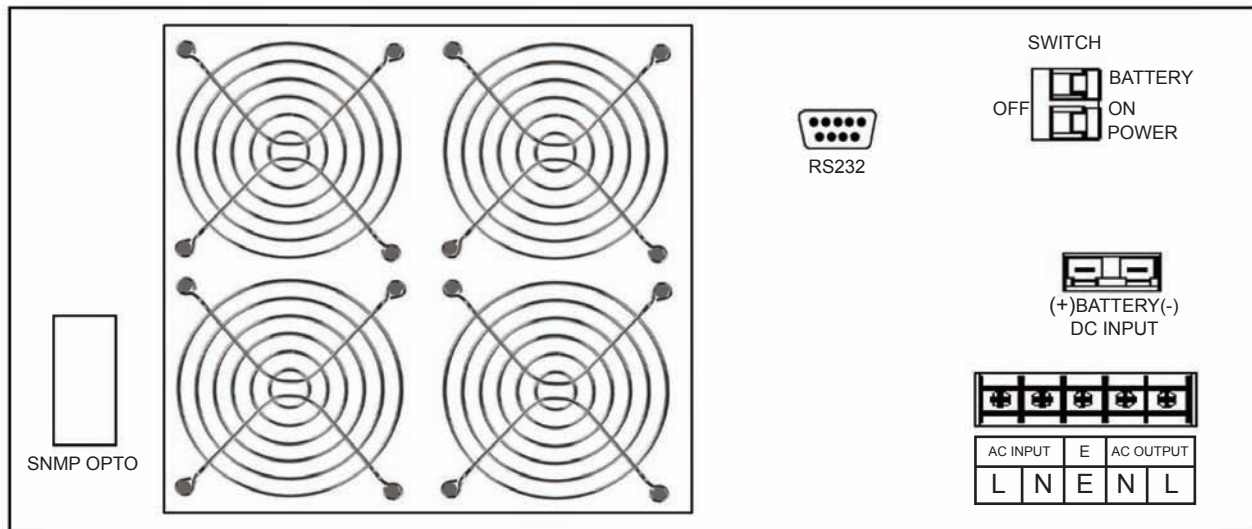


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Rear panel connections of 6kVA and 10kVA models



Options:

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

Consult Sales Office for details