

XTREME POWER CONVERSION R91

Three-phase Online UPS // 415/240VAC, 400/230VAC, 380/220VAC

For more information, visit www.xpcc.com/r91



18kW of efficient and reliable power in just 5U of rack space

Xtreme Power R91 provides industry leading power density and efficiency. Continuous online double conversion or ECO mode can be user selected. The R91 programmable battery charger and advanced rectifier power walk-in features help optimize compatibility with numerous source types and ratings.

The R91 UPS is available in many custom configurations including parallel tie with up to 4 modules, 480V input, maintenance bypass, and output distribution.

PRODUCT SNAPSHOT

- › Voltage can be configured for 415/240V, 400/230V, or 380/220V
- › Parallel up to 4 modules for Capacity or Redundancy
- › Online double conversion or ECO mode operation
- › Programmable Rectifier power walk-in
- › UL 1778, CE, FCC A listings
- › 2 years depot warranty (USA only)

FEATURES

High power density—20kVA/18kW of protection and backup power in just 5U of rack space

Efficiency—up to 99% efficiency in ECO mode and 94% efficiency in online mode

Programmable battery charger—charging rate, boost and float voltages

Multiple communications capability—RS232/RS485 and optional Web/SNMP

Temperature compensation—temperature compensated charging to prolong battery life and help reduce replacement costs

Adjustable power walk-in—provides programmable linear reloading of AC source

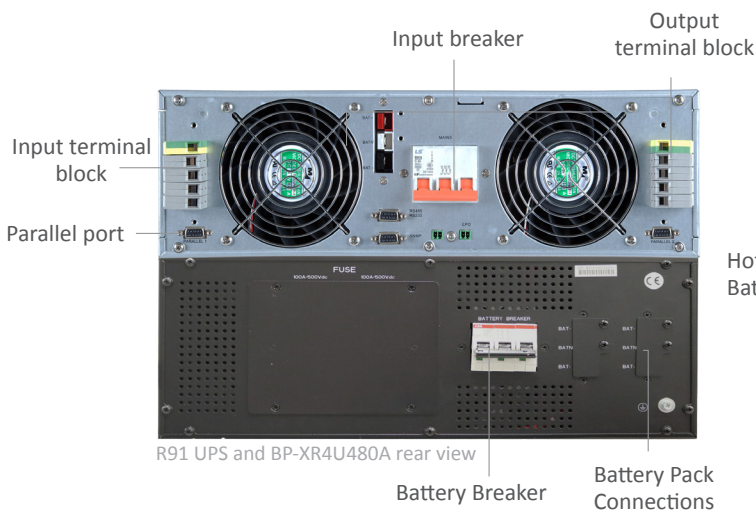
Advanced LCD display—full color display of power metering for individual phases and system summary

MODEL SELECTION GUIDE

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MODEL NUMBER		R91-20K									
CAPACITY	Power rating	20kVA/18kW									
INPUT	Phase	Three-phase + neutral + ground									
	Voltage range	210–478VAC*									
	Frequency	40–70Hz									
	Power factor	≥ 0.99									
	Rectifier power walk-in	1–20 seconds (programmable)									
OUTPUT	Voltage	415/240VAC, 380/220VAC, 400/230VAC (selectable)									
	Overload protection	110% for 60 min; 125% for 10 min; 150% for 1 min; > 150% immediate									
	Voltage regulation	± 2%									
	Efficiency	Online mode up to 94%; ECO mode up to 99%									
UPS PHYSICAL	Dimensions (W x D x H)	443 x 580 x 131 mm (17.4 x 22.8 x 5.2 in)									
	Unit/shipping weight	31 kg (68.4 lbs) / 42 kg (92 lbs)									
ENVIRONMENT	Operating temperature	0–40°C (32–104°F)									
	Altitude	11,500 ft above sea level									
	Humidity	0–95% non-condensing									
	Storage temperature	-25–55°C (-13–131°F) non-condensing (UPS)									
OPTIONAL BATTERY PACKS	Model number	BP-XR4U480A					BP-XR2U480A				
	Dimensions (W x D x H)	17.4 x 33.9 x 7.0 in (4U)					17.4 x 44.0 x 3.5 in (2U)				
	Unit/shipping weight	280 lbs/300 lbs					195 lbs/215 lbs				
	Recharge time	<4 hrs to 90%					<4 hrs to 90%				
	Charger amps	0A-6A									
	Battery configuration	Hot Swappable Battery Modules					Battery Compartments				
BATTERY RUNTIMES	Percentage load	20%	40%	60%	80%	100%	20%	40%	60%	80%	100%
	(1) Battery pack	42	22	13	9	6.5	28	13	7.2	4.7	3.2
	(2) Battery packs	90	42	30	22	17	65	28	17	13	10
APPROVALS	UL 1778, FCC A, CE										
WARRANTY	2 years depot warranty (USA only)										
COMMUNICATIONS INTERFACE	RS232, RS485, EPO, parallel port, external Web/SNMP (optional)										
INCLUDED IN BOX	User manual, RS232, shelf kit, Muser monitoring software										

*Online Mode. Depending on load level. **Runtimes are shown in minutes and will vary based on battery age and site conditions. For longer runtimes please contact sales@xpcc.com



X-TREME
Power Conversion®

Protect your business.

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