

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 7U 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, RoHS
- › 2 years depot warranty (USA only)

FEATURES

High power density—20kVA/18kW of protection and backup power in just 7U 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

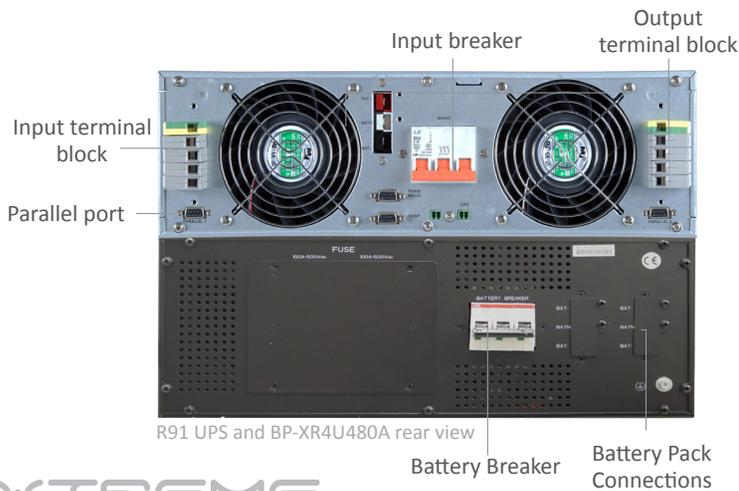
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MODEL NUMBER		R91-20K
CAPACITY	Power rating	20kVA/18kW
INPUT	Phase	Three-phase + neutral + ground
	Voltage range	210–478VAC*
	Frequency	40–70Hz
	Power factor	≥ 0.99
	Rectifier power walk-in	1–20 seconds (programmable)
OUTPUT	Voltage	415/240VAC, 380/220VAC, 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
	Dimensions (W x D x H)	17.4 x 33.9 x 7.0 in (4U)
	Unit/shipping weight	280 lbs/300 lbs
	Recharge time	<4 hrs to 90%
	Charger amps	0A-6A
	Battery configuration	Hot Swappable Battery Modules
APPROVALS		UL 1778, FCC A, CE, RoHS
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
AVAILABLE OPTIONS		IEC 60309 32A input/output cord kit, Web/SNMP card, maintenance bypass

*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

BATTERY RUNTIMES

	BP-XR4U480A			
Percentage load:	25%	50%	75%	100%
(1) Battery pack	40	18	10	7.0
(2) Battery packs	93	41	25	18.0



X-TREME
Power Conversion®

Protect your business.

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R91 UPS and BP-XR4U480A battery.
Front battery panel removed