XTREME POWER CONVERSION **E91 30kW & 40kW**

Online Tower UPS // 208/120VAC Three-Phase

For more information, visit
www.xpcc.com/e91_30-40k



Unity power factor three-phase UPS for Edge facilities and other critical IT applications

E91 UPS provides reliable three phase double conversion power for edge facilities, small data centers, network closets, and industrial applications.

E91 features unity output power factor to support up to 25% more critical loads than typical UPSs. E91's touch screen LCD allows vital monitoring with interactive power one-line, alarms and UPS status. External battery packs are available for longer runtimes.

For smaller capacity options, reference the E91 10-20kW at www.xpcc.com/E91_10-20k

PRODUCT SNAPSHOT

- Available models: 30kW, 40kW
- Rear clearance not required
- Unity power factor
- Approvals: UL, cUL, FCC, TAA compliant
- 2 years electronics, 2 years battery warranty (USA and Canada)

FEATURES

Touch LCD —4.3" touch display provides vital information including status and alarms

Unity power factor —E91 systems provide more real capacity for high density loads

Saves floor space —E91 30kW and 40kW UPS can be installed against the wall, no rear service clearance is required

Efficient operation— operation at up to 94% in double conversion mode or 98% in ECO mode

Dual or single inputs —E91 includes separate rectifier and bypass inputs. Input jumpers are pre-installed.

Maintenance bypass— front bypass switch allows loads to be transferred from UPS power to utility power, enabling E91 maintenance

Frequency converter—lock output at 50Hz/60Hz

XTREME Power Conversion®
Protect your business.

TAA

MODEL SELECTION GUIDE

For more information, visit www.xpcc.com/e91_30-40k

MODEL NUMBER		E91-30K	E91-30K4	E91-40K
CAPACITY	Power rating	30kVA/30kW	30kVA/30kW	40kVA/40kW
INPUT	Voltage / Range	208Y/120VAC or 220Y/127 +20/-15% VAC three-phase		
	Frequency	46–54Hz or 56-64Hz		
OUTPUT	Voltage / Frequency	208/120VAC or 220/127VAC / 50/60±0.1%		
	Overload capacity	150% for 1 min, 125% for 10 min, 110% for 60 min		
	Inverter switching frequency	19.2 kHz		
	Efficiency	up to 94% online mode or 98% ECO mode		
INTERNAL BATTERY	Battery type	Sealed maintenance-lead acid		
	Battery quantity	(60) 12V/580W	(80) 12V/580W	
	Max charging adjustable	16A		
PHYSICAL	Dimensions (W x D x H)	23.6” x 36.3” x 65.6”		
	Weight	496 lbs	549 lbs	551 lbs
OPTIONAL BATTERY PACK	Model	EBP10-5		
	Battery quantity and size	(100) 12V 580W		
	Weight & Dimensions (W x D x H)	770 lbs / 11.9" x 34" x 40.2"		
ENVIRONMENT	Operating temperature	32–104°F (0–40°C)*		
	Altitude	5,200 ft above sea level*		
APPROVALS		UL, cUL, FCC, TAA compliant		
WARRANTY		2 years warranty (USA and Canada)		
COMMUNICATIONS INTERFACE		RS-232, EPO, USB, intelligent slot for optional cards (Web/SNMP, Relay/dry contact)		
INCLUDED IN BOX		User manual, RS-232 communication cable, USB cable		
AVAILABLE OPTIONS		External maintenance bypass, output distribution, external battery cabinets		

**Battery life is reduced above 30°C, UPS capacity derates above 40°C and 5,200 ft above sea level.*

BATTERY RUNTIMES

	UPS Internal Batteries		UPS + EBP10-5		UPS + (2) EBP10-5	
Percentage load:	50%	100%	50%	100%	50%	100%
E91-30K	16	6	52	23	94	41
E91-30K4	23	9	60	26	102	44
E91-40K	16	6	42	18	73	31

Runtimes are shown in minutes and will vary based on battery age and site conditions.



4.3" touch display



E91-40K front view
(door & panels removed)



E91-40K rear view

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