

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
- › 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

Parallel operation—up to three UPS can be operated in parallel

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

MODEL SELECTION GUIDE

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

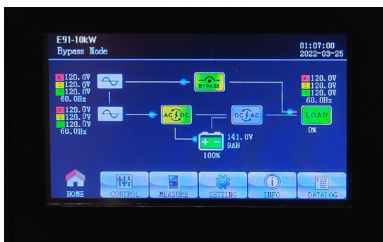
| MODEL NUMBER | | E91-30K | E91-30K4 | E91-40K |
|--------------------------|---------------------------------|-------------------------------------------------------------------------------------|---------------|------------|
| CAPACITY | Power rating | 30kVA/30kW | 30kVA/30kW | 40kVA/40kW |
| INPUT | 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 | | |
| 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

| Percentage load: | UPS Internal Batteries | | UPS + EBP10-5 | | UPS + (2) EBP10-5 | |
|------------------|------------------------|------|---------------|------|-------------------|------|
| | 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

Internal Battery Switch

Output Terminal Blocks

Wire access from cabinet rear



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

Input, Output & Maintenance Bypass Breakers

External Battery Terminal Blocks

Main input & bypass input terminal blocks

Internal battery modules



E91-40K rear view

Top or bottom cable entry from rear.
Terminations in the front

X-TREME
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