

XTREME POWER CONVERSION E91 10kW, 15kW & 20kW

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

For more information, visit
www.xpcc.com/e91_10-20k



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 higher capacity options, reference the E91-30/40kVA at www.xpcc.com/E91-30-40kVA

PRODUCT SNAPSHOT

- › Available models: 10kW, 15kW, 20kW
- › Unity power factor
- › Approvals: UL, cUL, FCC, Energy Star 2.0, TAA compliant
- › 2 years electronics, 2 years battery warranty (USA and Canada)

FEATURES

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

High Overload Capability — E91 provides protection during momentary overloads

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

Energy Star — 10, 15, and 20kW models meet Energy Star 2.0

Frequency converter — lock output at 50Hz/60Hz

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— manually transfer critical loads from UPS power to utility power, enabling E91 maintenance

MODEL SELECTION GUIDE

For more information, visit www.xpcc.com/e91_10-20k

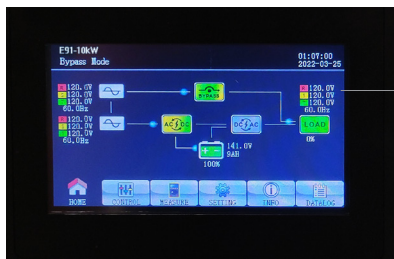
| MODEL NUMBER | | E91-10K | E91-15K | E91-20K |
|--------------------------|---|---|---------------------|------------|
| CAPACITY | Power rating | 10kVA/10kW | 15kVA/15kW | 20kVA/20kW |
| INPUT | Voltage / Range | 208Y/120VAC or 220Y/127 +20/-15% VAC three-phase | | |
| | Frequency | 46-54Hz or 56-64Hz | | |
| OUTPUT | Voltage / Frequency | 208/120VAC or 220/127VAC / 50/60±0.1% | | |
| | Overload capacity | Up to 110% for 1 hour, 130% for 1 min, >130% for 1 sec | | |
| | Efficiency | up to 94% online mode or 98% ECO mode | | |
| INTERNAL BATTERY | Battery type | Sealed maintenance-lead acid | | |
| | Battery quantity | (40) 12V/9AH | (60) 12V/9AH | |
| | Charging current | 2A-12A | 4A, 8A, 12A | |
| PHYSICAL | Dimensions (W x D x H) | 9.9" x 26.3" x 32.3" | 11.9" x 34" x 40.2" | |
| | Weight | 315 lbs | 504 lbs | 510 lbs |
| OPTIONAL BATTERY PACK | Model | EBP09-2 / EBP09-5 | | |
| | Battery quantity and size | (40) 12V 9AH / (100) 12V 9AH | | |
| | Weight | 310 lbs / 670 lbs | | |
| | Dimensions (W x D x H) | 11.9" x 34" x 40.2" | | |
| OPTIONAL PDU | Model | E91-PDU1 / E91-PDU2 | | |
| | Output receptacles | (4) L21-20R each protected by a 20A breaker / (4) L21-30R each protected by a 30A breaker | | |
| ENVIRONMENT | Operating temperature | 32-104°F (0-40°C)* | | |
| | Audible noise | <60dB for 10kVA; <65dB | | |
| | Altitude | 5,200 ft above sea level* | | |
| APPROVALS | UL, cUL, FCC, Energy Star 2.0, 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.

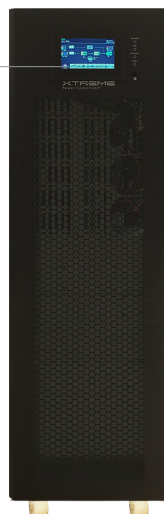
BATTERY RUNTIMES

| Percentage load: | UPS Internal Batteries | | | | UPS + EBP09-2 | | | | UPS + EBP09-5 | | | | UPS + (2) EBP09-5 | | | |
|------------------|------------------------|-----|-----|------|---------------|-----|-----|------|---------------|-----|-----|------|-------------------|-----|-----|------|
| | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% | 25% | 50% | 75% | 100% |
| E91-10K | 69 | 28 | 16 | 11 | 152 | 69 | 41 | 28 | 298 | 130 | 86 | 58 | 550 | 247 | 152 | 113 |
| E91-15K | 69 | 28 | 16 | 11 | 125 | 54 | 32 | 22 | 215 | 98 | 59 | 41 | 400 | 167 | 109 | 78 |
| E91-20K | 47 | 19 | 11 | 7 | 93 | 37 | 22 | 15 | 152 | 69 | 41 | 28 | 272 | 122 | 78 | 52 |

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



4.3" touch display



E91-15/20kVA front view



E91-15/20kVA rear view

X-TREME
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