EXT SERIES
Single Phase, 2.1 to 17kW
HID, Incandescent, Fluorescent, LED
120, 208, 240, 277, or 480 Volts
Heavy-duty NEMA 3R enclosure in steel, aluminum or stainless steel
Listed to UL924 Lighting and UL1778 UPS by CSA

STANDARD FEATURES
◆ Back-lit LCD Display for monitoring
◆ System pre-wired for optional Global Monitoring System (GMS)
◆ Battery Breaker
◆ Inverter Test Switch
◆ Generator Compatible with Automatic Governor (Slew Rate 2Hz/sec.)
◆ Battery Management Software
◆ High Frequency PWM with Digital Signal Processing Technology
◆ Product offered 1.0P.F unity

KEY FEATURES:
◆ Efficiency: 94% Online / 98% Standby/Fast Transfer (Typical)
◆ Continuous self-diagnostic and self-testing system.
◆ Optional remote monitoring capabilities
◆ Latest technology microprocessor controlled electronics with PWM (Pulse Width Modulated) design for true Sine Wave output
◆ Heavy-duty NEMA 3R enclosure includes weatherproof gasketing, convection, and fan cooling. Optional battery heater.
◆ Rugged steel (painted) enclosure is standard. Optional stainless steel for exceptional corrosion resistance in very harsh environments
◆ Electronics maintain normal output when tested to 136˚F (58˚C) and -40˚F (-40˚C) temperatures.
◆ Designed for remote locations where input voltage can swing from +20% to -35%
◆ Tamperproof triple-locking design includes internal steel bars, keylock and padlocking door handle.

The EXT Series is specifically designed for outdoor locations and hostile environments. This unit has been proven in the field to operate efficiently in extreme temperatures, harsh weather conditions and withstand physical abuse and vandalism. The EXT Series is the solution to fulfill power requirements for emergency egress lighting in a wide variety of very challenging applications.

www.perfectpowersystems.com
**INPUT SPECIFICATIONS**
Nominal Input Voltage 120 or 208 or 240 or 277 or 480VAC single phase
Input Voltage Range +20% to +15%
Input Frequency 60 Hz ±5%
Power Factor 1.0 unity
Overcurrent Protection Circuit breaker
Power Connection Hard wired (terminal block)
Input Configuration 2 wire (hot, neutral) plus ground

**OUTPUT SPECIFICATIONS**
Output Rating 2.1 to 17 kW (Normal Mode/Emergency Mode)
Voltage 120/240, 277 VAC, Single Phase
Voltage Regulation ±3% No Load to Full Load; ±3% High Line to Low Line
Frequency 60 Hz ±0.5 Hz
Waveshape Sine Wave
Harmonic Distortion <5% THD; <3% Single Harmonic
Crest Factor 3:1 typical
Power Factor 1.0 unity
Overload 125% for Ten (10) Minutes; 150% Surge
Protection Fault Current Limited by Ferroresonant Design
Noise Rejection -120 dB Common Mode; -60 dB Normal Mode
Operating Temperature Tested for -40°F (-40°C) to 136°F (58°C)
(Electronics Only)

**PHYSICAL SPECIFICATIONS**
Accessibility All Servicing is through the Front.
Cable Entry Bottom
Mounting Four (4) Mounting Holes Provided to Anchor Enclosure to Pedestal

**BATTERY SPECIFICATIONS**
Battery Run Time 90 min
Battery Type Sealed, Maintenance-Free, Lead calcium
Nominal DC Link 48 or 120VDC link
Overcurrent Protection Circuit Breaker

**OPTIONS**
- Secondary Auxiliary Circuit Breakers (up to 16 or 24 one-pole OCBs): Normally On, Normally Off, Normally Off w/ Delay, Trip Alarm - depending on size of system
- Extended Warranty and Service Plans
- Rotatable Lifting Brackets
- Monitoring via RS232 and RS485
- Make before break Maintenance Bypass Switch and Electronic Maintenance Bypass Switch
- TVSS for 120, 208, 240 and 277V
- High Isolation Transformer with Harmonic Reduction (up to K-50)
- Heater Strip with Thermostat Control
- Dry Contact: With Single Common N/O, N/C with individual isolated Common
- Stainless Steel Cabinets
- Wireless Battery Monitoring System: Ability to monitor individual batteries including battery impedance

**Global Monitoring System (GMS)**
- Provide SNMP MIB to monitor & log UPS status
- Auto-sense 10M/100M Fast Ethernet
- Manage & configure via Telnet, Web Browser or NMS
- Support TCP/IP, UDP, SNMP, Telnet, SMTP, HTTP, SMTP Protocol
- Sending both of SNMP TRAP and Email for events notification
- Auto email daily Battery Backup history report (configurable)
- Basic NetAgent: LAN or WIFI
- Advance NetAgent: LAN,WIFI, Dial-up Modem, or GPRS Modem

Consult Factory for more features and choices of remote communication. Specifications are subject to change without prior notification.