

ISI - LV

175-750 WATT APPLICATIONS

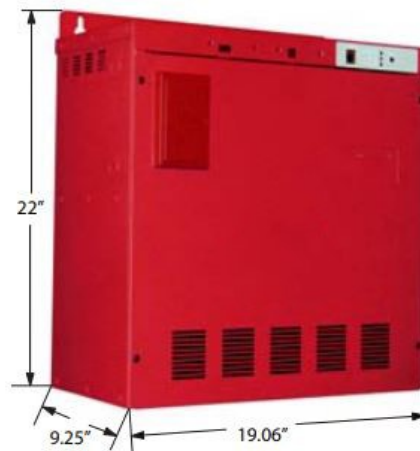
Mini Emergency Power Source for LED, Incandescent, and Fluorescent

Single-Phase Emergency Lighting Systems: 175VA, 350VA, 550VA and 750VA

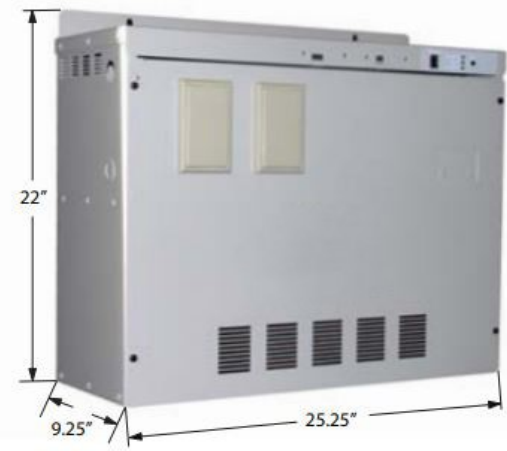


175VA/W

(also available in Recessed and Grid Mount Enclosure)



350 / 550VA/W



750VA/W

STANDARD FEATURES

- PWM/MOSFET pure sine wave inverter technology
- High crest factor and inrush capabilities
- Red wall mount cabinet
- High efficiency; no fans required
- 3 stage battery charger extends battery life
- UL924 self testing and diagnostic
- Compatible with LED, HID, fluorescent, incandescent, quartz and electronic low voltage lighting
- Input Fuse and Battery Fuse protection
- System status indicators and momentary test switch
- Maintenance free VRLA batteries
- Microprocessor controlled
- UL924 listed
- Output Normally On and Switched or Normally Off (with 15 Minute Time Delay) output
- 120 volt input/output or 277 volt input/output (field selectable)
- Summary alarm Form C dry contacts
- NYC Approved

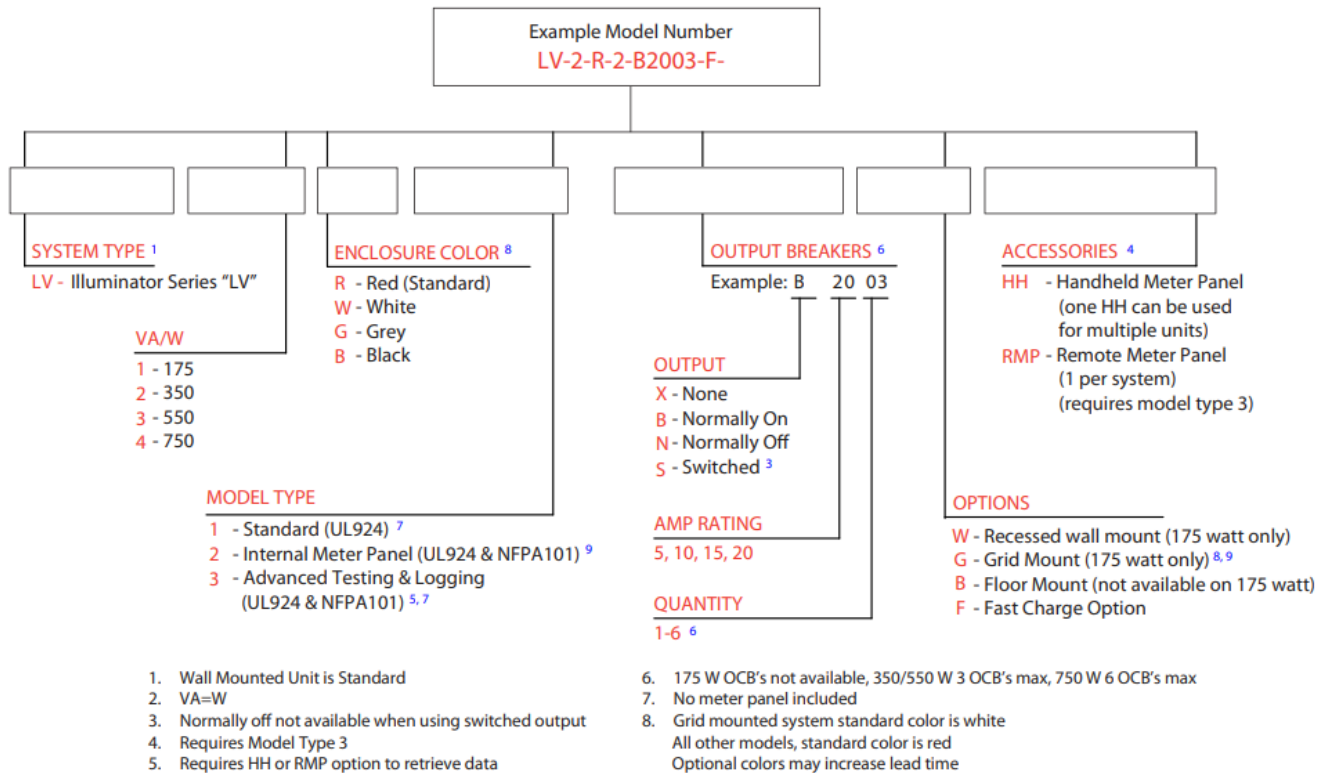
OPTIONAL FEATURES

- Output circuit breakers available (see note 6 on ordering guide for available quantities)
- Grid and Recessed mount enclosures for 175VA system
- System Meter Panel with OLED Display provides access to system logs and programming
- External Meter panel available in recessed or hand held enclosures
- Alternate colors available; white, black and grey
- Enhanced metering system (Includes Input, Output Voltage and Current, Output VA, Battery Cycle Monitoring, Battery Current, Battery Voltage and Temperature)
- Variable time delayed Normally Off output (requires meter panel)
- Extended runtimes
- 12 HR Fast Recharge

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ISI



SPECIFICATIONS

Input	Voltage Input Frequency Synchronizing Slew Rate Protection Harmonic Distortion	120 or 277Vac 1-phase 2-wire +10% -15% 60Hz, +/-3% 1 Hz per second nominal Fuse < 10% (For Resistive Load)	General Design Generator Input Indicator Lights & Switch Optional Control Panel Optional Metering Optional Alarms Alarm Contacts Warranty Optional Warranties	Line interactive PWM inverter type utilizing MOSFET technology with 2mS transfer time Compatible with generators. (25KVA or larger) Charging, Ready, Inverter and Test switch OLED display with key pad controls/functions & scrolling system status Input & Output Voltage, Battery Voltage, Battery & Output Current, Output VA, Input Current, Inverter Watts, Ambient/Battery/Heatsink Temperature, Input Frequency, UPS Time & Events, Days of Operation Battery Charger Failure, Near Low Battery, Low Battery, Load Reduction Fault, High/Low AC Input Volts, High/Low AC Output Volts, High/Low Input Frequency, Output Overload, Output Short Circuit, High/Low Ambient Temperature, High/Low Battery Temperature, Heatsink Over Temperature, Battery & Battery Probe not connected. Summary Fault Form "C" 1 year standard warranty includes all parts. Up to 10 years prorated warranty on batteries Extended warranties, Preventative Maintenance and/or Customized Service Plans.
Output	Voltage Static Voltage Dynamic Voltage Harmonic Distortion Overload Output Frequency Load Power Factor Inverter Overload Output Types Protection Crest Factor	120 or 277Vac 1-phase 2-wire Load current change +/- 2%, battery discharge +/- 12.5% +/- 10% for load step change, recovery within 5 cycles < 3% THD for linear load Circuit Breaker protected (Optional) 60Hz +/- .05 Hz during emergency mode .5 lag to .5 lead 250% for 16 Cycles, 110% continuously Normally-On, Normally-Off or Switched Optional Distribution Circuit Breaker(s) (350, 550 and 750W) 3.5		
Battery	Type Charger Protection Disconnect	Valve-regulated sealed lead-calcium Micro controller, 3-stage charger (recharge per UL-924 Specifications) Automatic low-battery disconnect: automatic restart upon utility return Fuse		
Environmental	Altitude Operating Temperature Storage Temperature Relative Humidity	< 10,000 feet (above sea level) without derating Inverter: 0° to 40° C (32° to 104° F) Battery: 20° to 30° C (68° to 86° F) per UL-924 -20° to 70° C (-40° to 158° F) (electronics only) < 95% (non-condensing)		