

# WHAT DO INVERTERS REPLACE?



## INVERTERS VS TRADITIONAL EMERGENCY UNITS

- Eliminates the need for specialized units such as Hazardous Environment Fixtures.
- Easy to install and maintain.
- Improves aesthetics of the space by eliminating unsightly units and combos.
- Lower ownership costs.

## INVERTERS VS BATTERY BACKUP BALLASTS/DRIVERS

- Unlike ballast drivers, mini-inverters can be mounted with a distance up to 1000ft.
- Inverters provide full lighting output of the fixture.
- Multiple fixtures can be run from one mini-inverter.
- Only one point of installation and maintenance needed.

## INVERTERS VS AC POWER SYSTEMS

- Smaller footprint and reduced costs.
- Switching capacity.
- No factory start up costs.
- No paid maintenance plan needed to sustain your warranty.
- Replacement parts are less costly and easily available.

## INVERTER FEATURES



- Pulse Width Modulation (PWM).
- Soft start to eliminate high inrush currents.
- Full light output of connected load.
- No need to de-rate the mini-inverter when calculating load.
- I/O connectors will fit 12-gauge wire.
- Higher efficiency with smaller footprint for the same output power over competition.
- Meets UL 924 (Section 28.1) requirement for derangement signal.
- Surface, recessed or grid mounting available.
- Proudly assembled in the USA.

# 23-MPS SERIES



MODEL NUMBER	Maximum Overall Length	Input/Output Voltage	90 Minute Capacity (Watts/VA)
23-MPS-32	Small	120/277	32/32
23-MPS-55	Large	120/277	55/55
23-MPS-20	Small	120/277	20/20
23-MPS-35	Large	120/277	35/35

# 23-PINV SERIES



MODEL NUMBER	Housing Size	Input/Output Voltage	90 Minute Capacity (Watts/VA)
23-PINV-55/125	Small	120/277	55/125
23-PINV-110/125	Large	120/277	110/250
23-PINV-110/250	Small	120/277	110/125
23-PINV-220/250	Large	120/277	220/250

# 23-LPS SERIES



MODEL NUMBER	Input/Output Voltage	90 Minute Capacity (Watts/VA)
23-LPS-375	120/277	375/375
23-LPS-600	120/277	600/600

Add Suffix	Option Description
-S	Surface Mount Housing
-R	Recess Mount Housing
-T	Ceiling T-grid Mount Housing
-SP	Special Housing Color (Specify)
-RTS	Remote Test Switch Panel*
-SDT	Self Diagnostics
-CEC	Title 20 Compliant*

### Dimensions

**-35 and -55** - 14 3/4" x 4 3/8" x 7 3/8"  
**-20 and -32** - 14 3/4" x 3 1/8" x 7 3/8"

\*Only available with -32 and -55 models

Add Suffix	Option Description
-S	Surface Mount Housing
-R	Recess Mount Housing**
-T	Ceiling T-grid Mount Housing**
-SP	Special Housing Color (Specify)
-4C	4 Output Circuit Switching*
-RTS	Remote Test Switch Panel
-AO	Adjust Output/Dimmer Bypass*
-SDT	Self Diagnostics
-CEC	Title 20 Compliant

### Dimensions

**-220/250 and -110/125** - 16 3/4" x 6 3/8" x 11 3/4"  
**-55/125 and -110/125** - 16 3/4" x 4 3/8" x 11 3/4"

\*Not available together  
 \*\*Only available on -55/125 and -119/125 models

Add Suffix	Option Description
-OCB1	One Output Breaker
-OCB2	Two Output Breakers
-ICB	Input Breaker
-SP	Special Housing Color (Specify)
-SDT	Self Diagnostic
-4C	4 Output Circuit Switching*
-4AO	Adjust Output/Dimmer Bypass*

### Dimensions

**-375** - 18" x 8 1/4" x 16 5/8"  
**-600** - 18" x 8 1/4" x 25 1/4"

\*Not available together



# 23-HIGH WATTAGE LPS SERIES



MODEL NUMBER	Input/Output Voltage	90 Minute Capacity (Watts/VA)
23-LPS-750	120/277	750/750
23-LPS-950	120/277	950/950
23-LPS-1150	120/277	1150/1150

Dimensions 22.4" x 9.2" x 25.1"

Add Suffix	Option Description
-OCBX (1-6)	One to Six Output Breakers
-4C	Four Output Circuit Switching*
-ICB	Input Breaker
-SP	Special Housing Color (Specify)
-SDT	Self Diagnostic
-4AO	Adjust Output/Dimmer Bypass*

\*Not available together

## INVERTER OPTIONS

**4AO**

Combines 4C & AO options to accommodate 4 line voltage devices or (4) 0- 10 volt dimmers with adjustable output, or combination of both (LPS models only).

**4C**

4 individually switched loads can be operated as switched, normally-on, normally-off or any combination PINV/LPS only).

**SDT**

Self-testing/self diagnosis.

**AO**

0 to 10 volt bypass or adjustable load output (2.5, 5.0, 7.5 or 10 volt). Two dip switches allow two different settings on one load (PINV/LPS only).

**RTS**

Remote test switch (MPS & PINV only)

## CODE COMPLIANCE

- All models are UL924 Listed and meet NFPA 101 Life Safety Code, NEC, OSHA, Local and State Codes. Optional T-Grid models are plenum rated to UL2043 and meets city of Chicago CCEA Requirements.
- UL Listed for damp locations (200C – 300C).
- FCC Part 15 Class B Compliant.
- Unit: (excluding lamps) Full coverage against defects in materials and workmanship for 3 years from date of shipment.
- Battery: 3 year full warranty plus an additional 7 years of pro-rated coverage.

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Pataskala, OH 43062



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## YOUR GUIDE TO MINI-INVERTER SYSTEMS

Full System Solutions for  
Emergency Backup Power



### WHAT IS A MINI INVERTER?

Mini-inverters are smaller versions of AC power systems and provides emergency power to indoor and outdoor lighting systems in the event of a power outage.

### WHERE ARE THEY USED?

Mini-inverters can be used anywhere emergency lighting is needed. This includes churches, theaters, offices, gyms, museums, schools, and more.