

UNINTERRUPTIBLE PERFORMANCE FOR HID



MODEL NO: _____
 TYPE: _____
 PROJECT: _____
 COMMENTS: _____

LOAD CAPABILITY

350 Watts

FIXTURE TYPES

- HID
- LED
- Fluorescent
- Incandescent

FEATURES

- Uninterruptible sine wave output
- Operates HID, LED, fluorescent, and incandescent fixtures
- Emergency lighting supplied from one convenient source
- Includes momentary contact test switch, yellow ready indicator, green inverter-on indicator, and red alarm indicator
- High efficiency pure sine wave inverter
- Variable-rate, temperature-compensated charger
- Valve Regulated Lead Acid (VRLA) battery provides long life and is maintenance free
- Line voltage allows for remote mounting of emergency fixtures at distances up to 1000 feet
- Low Battery Voltage Disconnect
- Line Latch Protection
- Electronic overload protection
- Meets or exceeds all National Electrical Code and Life Safety Code Emergency Lighting Requirements
- Durable 16-gauge steel housing design with white semi-gloss powder-coat paint finish
- 3/7 Pro-Rata Warranty

IIS INVERTERS

DESCRIPTION

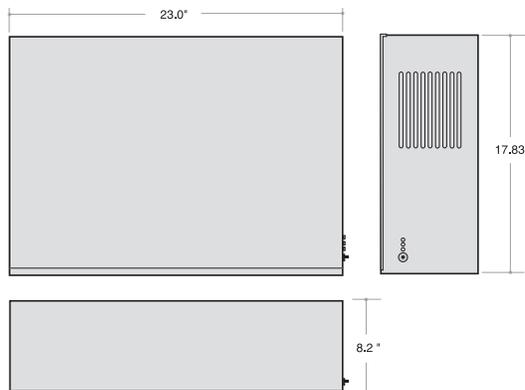
The IOTA **Uninterruptible IIS-350-U** is a UL Listed stand-alone sine wave output inverter designed to provide power to designated emergency lighting fixtures. In a power loss situation, the IOTA **IIS-350-U** will supply **350W** of power from the onboard battery supply. The double-conversion design of the **IIS-350-U** delivers power with no interruption to the load, allowing 'no-break' operation of **120V** HID, incandescent, LED, and fluorescent lamp and ballast combinations. The **IIS-350-U** is available in a surface mount housing and comes with a three-year warranty and seven-year pro rata battery warranty.

SPECIFICATIONS

Input Voltage	120V, 60Hz
Input Rating (bulk)	750 Watts at .65 lagging PF
Output Voltage	120 Volts, 60Hz
Output Power	350 Watts (@ .9 leading to .9 lagging PF)
Lamps Operated	HID, LED, Fluorescent, Incandescent
Transfer Time	Uninterruptible (no transfer time)
Emergency Operation	90 minutes
Voltage Regulation (emergency)	+/- 2% @ 15% to 110% load
Frequency Regulation (emergency)	+/- .5%
Load Power Factor Range9 leading to .9 lagging
Operating Temp	20° to 30° C
Battery	Valve Regulated Lead Acid (VRLA)
Weight	116 lbs.
Approval	UL 924 Listed



DIMENSIONS



IIS-350-U

350W UNINTERRUPTIBLE UNIT INVERTER SYSTEM

COMPONENTS

- High-efficiency modified sine wave inverter
- Variable-rate, temperature-compensated charger
- 12V oversized Valve Regulated Lead Acid (VRLA) battery

CONSTRUCTION

- 16-gauge steel housing

IIS-350-U SAMPLE SPECIFICATION

Emergency lighting shall be provided by inverter unit equipment designed to operate designated HID, incandescent, fluorescent and LED fixtures on emergency power at their full nominal lumen rating during the full 90-minute emergency discharge cycle. System output will be rated at 350 watts for 90 minutes and provide an electronically fused output connection to the load. The system's voltage rating shall be factory-supplied 120 VAC input/output.

The inverter unit shall allow for connected emergency fixture(s) to be normally on. Upon utility power loss, the inverter unit shall deliver 100% of its full rated output with no break in illumination, and will provide power to emergency fixtures at distances of up to 1000 feet.

The housing shall be designed for surface mount installation requirements and manufactured using 16-gauge steel with a white hammer semi-gloss scratch-resistant baked-on powder coat paint finish.

The unit's electronics shall include a self-contained inverter section with a fully automatic, thermal-compensating variable-rate battery charger, AC lockout feature, low battery voltage disconnect, DC overload, short circuit and brownout protection as standard. The unit shall utilize a sealed lead calcium battery with a 10-year design life. The inverter system shall be UL 924 Listed and labeled. The unit shall be covered under a 3-year warranty on the electronics and battery and a 7-year pro-rata warranty on the battery. It shall meet or exceed the requirements of UL 924, NFPA 101 Life Safety Code, NFPA 70 National Electrical Code, OSHA and State and Local codes.

The inverter unit shall be IOTA Engineering model IIS-350-U.

TYPICAL WIRING

