

UNINTERRUPTIBLE PERFORMANCE **HID**  
**MULTI-TAP** 120V, 208V, 240V, 277V



MODEL NO: \_\_\_\_\_  
 TYPE: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 COMMENTS: \_\_\_\_\_

**LOAD CAPABILITY**

350 Watts

**FIXTURE TYPES**

HID  
 LED  
 Fluorescent  
 Incandescent

**FEATURES**

- Uninterruptible sine wave output
- Multi-Tap output allows for operation of 120V, 208V, 240V, and 277V loads
- 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
- 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 steel housing design with white semi-gloss powder-coat paint finish
- 3/7 Pro-Rata Warranty

EMERGENCY INVERTERS

**DESCRIPTION**

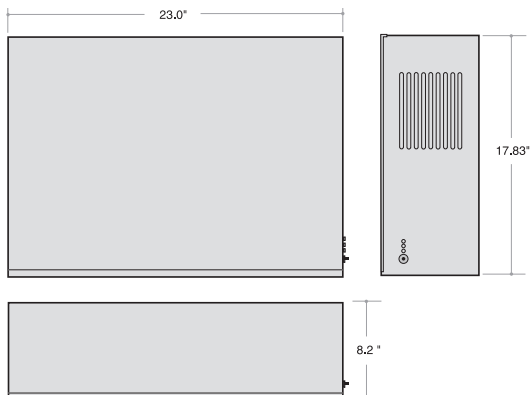
The IOTA **Uninterruptible IIS-350-UM** is a UL Listed stand-alone sine wave output inverter designed to provide power to designated emergency lighting fixtures. In a power loss situation, the IOTA **IIS-350-UM** will supply **350W** of power from the onboard battery supply. The double-conversion design of the **IIS-350-UM** delivers power with no interruption to the load, allowing 'no-break' operation of HID, incandescent, LED, and fluorescent lamp and ballast combinations and features a multi-tap output for 12/208/240/277V loads. The **IIS-350-UM** 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 .....	120/208/240/277 Volts, 60 Hz
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 Range .....	.9 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-UM

350W UNINTERRUPTIBLE MULTI-TAP 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-UM 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 with 120/208/240/277 VAC output.

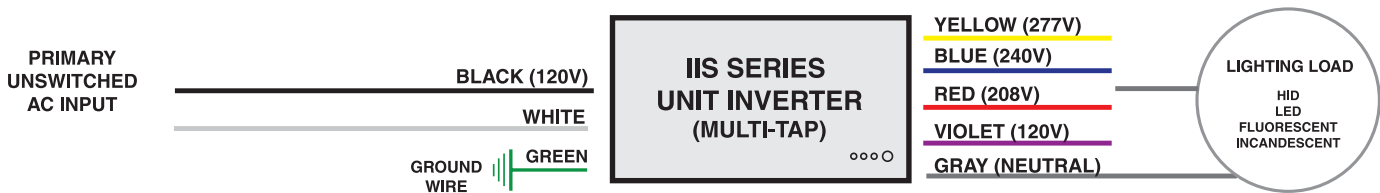
The inverter unit shall allow for connected emergency fixture(s) to be normally on. Upon utility power loss, the inverter unit shall deliver 100% of its full rated output with no break in illumination, and will provide power to emergency fixtures at distances of up to 1000 feet.

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-UM.

## TYPICAL WIRING



### MULTI-TAP OUTPUT

The multi-tap output allows the IIS-350-UM to operate lighting loads of 120V, 208V, 240V, and 277V. The proper output lead(s) from the inverter is connected to the load and unused leads are capped.