



NOVA UAC-P 2500W

Emergency Lighting Power Supply - Pure Sine Wave

Project Name: _____ Model Number: _____
 Prepared By: _____ Date: _____

FEATURES AND BENEFITS

- 120V/120V - Separate converter cabinet required for 277V or 347V options
- 93% Efficient (for 277 or 347V using the separate converter cabinet)
- 4 standard outputs. one Normally ON, one Normally OFF, and two wall switch/selectable outputs
- Display panel
- Operating Temperature: +10°C to +25°C
- Auto-test option
- 2500W capacity
- CSA 22.2 No. 141-15 Performance Certified

The **NOVA UAC PURE SINE WAVE** is suitable for fluorescent, incandescent, LED and most compact fluorescent lighting. The surge peak lighting load is 9000VA for 1ms, 6000VA for 100ms, and 4500VA for 5 seconds. It is important to take the peak load into consideration when choosing your load type.

PURE SINE WAVE

True sine wave power is required to ensure there is no interruption in delivering emergency power. The pure sine wave system is compatible with all power supplies, LED drivers and lighting ballasts. The **NOVA UAC-P** is a standby IPS system with a transfer time of 10 milliseconds. which is suitable for specified lighting loads under emergency backup.

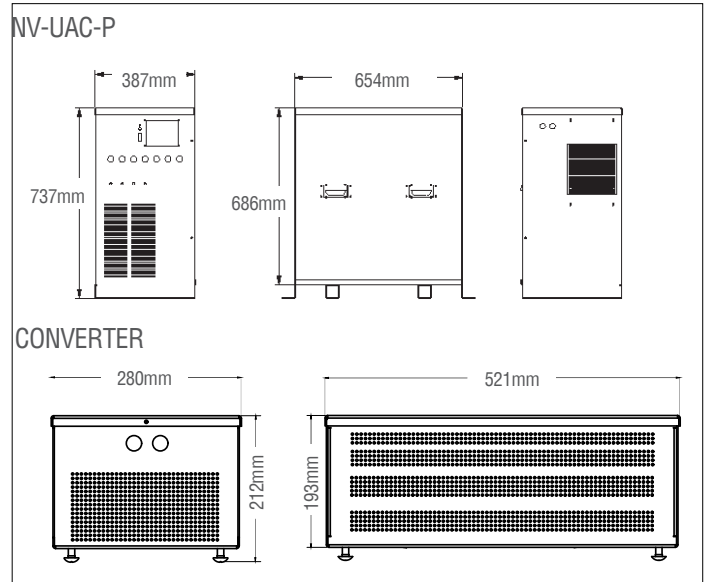
PRE-BUILT INVENTORY

ORDERING CODE	SHORT DESCRIPTION	LONG DESCRIPTION
19000022	NV-UAC-P-2500W-120V-120V	NOVA UAC-P 2500W MINI INVERTER SERIES 120V WHITE HOUSING
19000023	NV-UAC-P-2500W-120V-120V-AT	NOVA UAC-P 2500W MINI INVERTER SERIES 120V WHITE HOUSING C/W AUTO TEST
19000024	NV-UAC-P-2500W-120V-120V-AT-TD	NOVA UAC-P 2500W MINI INVERTER SERIES 120V WHITE HOUSING C/W AUTO TEST AND TIME DELAY

MODEL RATING GUIDE

MODEL	RUN TIME	WATTAGE (W) 120V	WATTAGE (W) 347V
2500W	30 mins	2500W	2325W
2500W	60 min	2000W	1860W
2500W	90 mins	1500W	1395W
2500W	120 mins	1000W	930W

DIMENSIONS



REMOTE MOUNTED 347V OR 277V CONVERTER 3KVA

SERIES	DESCRIPTION
100003100-038	347V or 277V in step down / 347V or 277V out step up

Voltage converter will be built in a separate cabinet



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KEY BENEFITS

- Greater safety and reliability for emergency lighting
- Cost savings by eliminating additional battery units and remote heads
- Architecturally pleasing design with no remote heads required
- Flexible installation with AC input and output
- No voltage drop concerns to connected loads

BATTERY TECHNOLOGY

The **NOVA UAC-P** is designed with a maintenance free, sealed valve regulated lead acid battery that provides a minimum emergency duration of 30 minutes (for the listed rating). Recharge time of the battery is twenty-four [24] hours.

INSTALLATION

The **NOVA UAC-P** unit is designed to be floor mounted in indoor installation environments. The units are elevated on supports for flood protection and have anchor holes for secure mounting. The fully enclosed housing top offers added drip protection. Install with at least 12" (30cm / 300mm) clear space on both ends and do not block ventilation holes.

ELECTRICAL

The electrical input rating of the **NOVA UAC-P** is 120V, 60Hz. 25.0A. 347V & 277V are optional. May accept load to 80% capacity when load feature power factor of 0.9 or more. In 277/347V, 10% more decrease in loading is suggested.

CONSTRUCTION

The **NOVA UAC-P** is constructed from a durable 14 gauge steel housing. Stamped conduit knockouts are standard. Loads are connected to sturdy terminal blocks. The **NOVA UAC-P** is supplied standard in a white powder coat, baked finish for durability. The **NOVA UAC-P** unit offers ventilation holes for efficient cooling and operation of the charging system.

DISPLAY PANEL

The **NOVA UAC-P** unit is supplied with a panel which displays input and output rating, load status, charge current and battery voltage. An audible alarm is standard that will sound to indicate if the battery voltage is low. In addition, the battery condition and any faults are communicated through the illuminated panel showing the real-time operational data and messages.

OPERATION

This unit is provided with 4 standard outputs. one N-ON, one N-OFF, and two wall switch/selectable outputs.

Normally ON: Such an output will be energized continuously, no matter normal utility grid is present or there is a power outage. There is an standard Normally ON output (L1).

Normally OFF: Such an output will be energized only when there is a power outage. There is an standard Normally OFF output (L2).

Two wall switch/Selectable outputs. by linking regular wall switches or a jumper it is possible to define these two outputs mode of operation (N-ON or N-OFF).

Wall Switch / Selectable outputs. There are two outputs (L3 and L4) which are configurable and can be Normally On or Normally Off depending on the position of Wall Switch or Jumper in wall switch terminals. It is detailed in installation instruction sheet.

AUTO-TEST (AT)

This unit (with auto test capability) will automatically perform a 5-minute test every 28 days. The 12th test will be a complete test running the test for 30 minutes. During the test all Loads connected to outputs will turn on and stay on for 30 minutes. After this 30-minute test, Loads/Lamps will revert to normal operating mode and unit will revert to recharge mode. Meaning that, Normally-ON loads will stay ON, Normally-OFF loads will Turn OFF and switched loads depending on the switch position will remain ON or Turn OFF.

CIRCUIT CONFIGURATION

The 2500W mini inverter supports up to four circuits, offering versatile configurations:

- L1: Normally ON, unswitched circuit (max load: 1920W).
- L2: Normally OFF, unswitched circuit (max load: 1920W).
- L3: Switched / Normally ON / Normally OFF (max load: 1920W).
- L4: Switched / Normally ON / Normally OFF circuit (max load: 1920W).

The load may be split between two or more outputs, such as two switched outputs. However, the total combined wattage must not exceed 2500W. It is strongly recommended to limit the load to 80% of the unit's capacity; therefore, the total load connected across one or more outputs should not exceed 2000W.



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120V AC LIGHTING SYSTEM

