



PSU

AC Power Systems
Single Phase
12.500VA



APPLICATION

- Operates LED, incandescent, magnetic and electronic ballast fluorescent, high power factor compact fluorescent and high intensity discharge (HID) luminaries.
- Schools, Sports Facilities, Universities, Mass Transit, Warehouses.
- Provides conditioned, uninterruptible power for other types of critical loads.
- · Consult factory for non-lighting load applications.

SAFETY LISTINGS

- · UL 924 Emergency Lighting Equipment
- · UL 924 Auxiliary Lighting Equipment
- NFPA 101
- NFPA 111

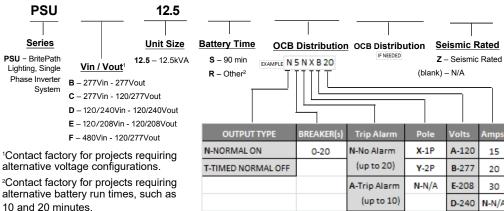
WARRANTY

- Standard warranty: (requires execution of factory start-up within 120 days of shipment) BritePath will provide parts and on-site labor for the first 12 months following start-up of the product, and parts only for an additional 12 months. If factory start-up is not executed within 120 days of shipment, BritePath will provide a parts warranty for 24 months from the date of shipment.
- Extended warranty available: consult factory for extended warranty and service option.

DESIGN

- Free standing, NEMA 1 enclosure with lockable control access panel.
- · Double conversion, no interruption output.
- · Solid state pulse width modulated inverter.
- Internal, automatic static bypass switch.
- Internal, make before break maintenance by-pass.
- · Standard, UL 924 compliant, 90 minute battery back up.
- Microprocessor control and diagnostic system.
- LCD color touch screen display.
- · User programmable automatic testing.
- RS 232 Communications Port.
- Fault annunciating local audible alarm.
- · Normally open contacts for status & alarm communications
- · Current limiting start sequence.
- Automatic low battery voltage disconnect.
- · Optional output circuit breakers and circuit breakers with trip alarm
- · Optional normally off load with time delay.
- · Optional Web Based Communications.
- · Optional Seismic certification.
- · Optional Remote Annunciator.
- 87% throughput efficiency, 85% emergency efficiency.
- Operating temperature range 32°F (0°C) to 104°F (40°C)1.
- Storage temperature -4°F (-20°C) to 122°F (50°C).
- · Fault current rating 42 kAIC.
- · Audible noise less than 50 dB at 3 ft on "A" weighted scale.

ORDERING INFORMATION



WebBased Communications

W – TCP/IP
Modbus TCP
Modbus RS45
BACnet / IP
BACnet MS / TP

(blank) – N/A

Example: PSU B12.5S N5NXB20 W



Centralized Lighting Inverter Single Phase - 12,500VA

ELECTRICAL - INPUT

- Input voltage operating range +10 / -15%
- Input power factor correcting to 0.99.
- Frequency range 60 Hz, ±2.5 Hz.
- Input harmonic current distortion < 5% THD.
- UL1449, ANSI/IEEE C62.41 surge suppression.

ELECTRICAL - OUTPUT

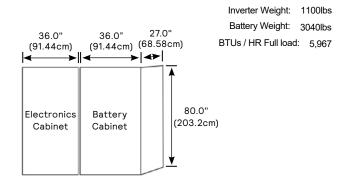
- · Sine wave output.
- · Voltage regulation ±2%.
- * Frequency regulation synchronized to utility, free running 60 Hz, $\pm 0.5\%$.
- · Output voltage distortion maximum 3% THD with linear load.
- · Load power factor capability 0.7 lead to 0.7 lag.
- · Overload capability 125% for 10 seconds.

Vin	Input Breaker	Input Amps	Vout	Output Amps
277V	80A	61.5A	277V	45.1A
120/240V	′ 100A	69.3A	120/240	V 104.2/52.1A
120/208V	′ 100A	80.0A	120/208	V 104.2/60.1A
480V	45A	35.5A	120/277	V 104.2/45.1A

BATTERY

- Maintenance free, sealed lead calcium battery with a design life up to 10 years, and optimum operating range of 65°F (19°C) to 85°F (30°C).¹
- 4 Stage, temperature compensated charger, 1% ripple.
- · Recharge time UL924 / NFPA101 compliant (24 hours).
- · Bus voltage 120VDC.

DIMENSIONS



Footnote

 1 Optimum operating temperature of batteries is 77°F (25°C). Temperatures above 85°F (30°C) adversely impact battery life.

Check List

Catalog No:						
VA Rating:						
Battery Type: Maintenance free, Sealed Lead Calcium						
Operating Time: 90 Min.						
Input: VAC, Single Phase						
Output: VAC, Single Phase						
Output Oliverit Descriptions	imed ormally Trip Alarm					
Qty:AC Volts: Amps: ON	FF YES NO					
Qty: AC Volts: Amps: ON	FF YES NO					
Qty: AC Volts: Amps: ON	FF YES NO					
Qty: AC Volts: Amps: ON	FF YES NO					
On Site Factory Start Up (FSU) included						
Optional Extended Warranty (EXT): Yes No						
Description:						
(FSU) Factory Start-Up: Includes on site start up by factory authorized technician, system training and demonstration during						
same site visit. Also provides 12 months of on site warranty service.						
OPTIONAL (EXT) Extended Warranty: Will increase FSU on site, 12 month warranty period to a 24 month warranty period.						

