

PROJECT NAME:	APPROVED BY:
CATALOG NO:	TYPE NO:

# PURE WAVE - Standard Transfer System

## PW Series Pure Sine Wave Inverter Technology

### Catch the wave

The Pure Wave inverter delivers a sine wave identical to the output of a utility, in some cases even superior to it because of reduced THD (total harmonic distortion). By replicating utility power, pure sine wave inverters with high crest factors assure compatibility for all LED, Fluorescent, and Incandescent Lighting loads.

Evenlite's PW mini is packed with cutting edge features including our unique Advanced Startup Diagnostics which protects the unit at initial startup by performing several checks for common installation errors. UL-924 approved Self-Testing and Self-Diagnostics with 16 distinct major and minor alarms, three distinct field selectable output types, low battery voltage indication. Coupled with options like Infrared receiver for remote testing, time delay for HID applications and a sonic alarm, the PW Mini is unlike any inverter in it's class.

### Features

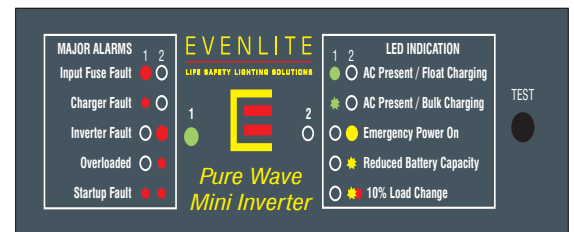
- Pure Sine Wave output-compatible with all lighting loads
- UL 924 approved Self-Testing/Self-Diagnostics with easy to read LED display
- Very high, 2.5 X overload rating ensures that even the most demanding loads will start up
- Three distinct output types for field flexibility
- Small foot-print fits easily in electrical room or closet, or can be recessed in the wall or ceiling
- No factory startup required
- Tested and listed to U.L. 924 and Canadian Standard
- C22.2 No. 141-10
- 10 year valve regulated maintenance free Lead Calcium battery
- New York City approved, Calendar Number 51575



Surface Mount



Wall Recessed



### ORDERING GUIDE – PW

Example: PW-25-LC-V2-TD

Model	VA Rating	Battery Type	Input/Output Voltage	Options
PW	12 125 VA 25 250 VA	LC Lead Calcium	V1 120/120 VAC V2 277/277 VAC	<b>Z4</b> Seismic Zone 4 Certified(not available with T-bar or recessed models) <b>AA</b> Audible Alarm <b>CL</b> Listed to CSA C22.2 No. 141-10 <b>IR</b> Infrared Receiver for Remote Testing <b>RT</b> Remote Test Switch and Monitor (includes buzzer, IR receiver, test buttons and SD indicator) <b>TLRT</b> Infrared Remote Hand Held Transmitter (order separately) <b>RE</b> Recessing Frame for Wall Recessed (125 watt only) <b>TB</b> T-Bar mount housing (125 watt only) <b>TD</b> 15 Minute Time Delay <b>2H</b> 2 Hour Run Time ( Capacity reduced to 100 watt and 200 watt models) <b>UP</b> Pre-Shipped Less Battery
PW				

Fill in fields from categories above and complete type and part number.

Type Number:

Full Part Number:

# Pure Wave Sine Wave Inverter

## SPECIFICATIONS

### Input

- Voltage: 120 or 277 VAC Model dependant
- Current: 1.4A(120V), 0.6A(277V) for 125 Watt Model 2.7A(120V), 1.2A(277V) for 250 Watt Model
- Frequency: 60Hz +/- 2 Hz
- Protection: PCB mounted fast acting 5x20 mm fuse
- Power Factor: 0.5 Lead to 0.5 Lag

### Output

- Voltage: 120 or 277 VAC model dependant
- Current: 1.04A (120V), 0.45A (277V) for 125 Watt Model, 2.08A (120V), 0.9A (277V) for 250 Watt Model
- Frequency: 60Hz +/- 0.02 Hz crystal controlled during emergency mode
- Overload: 110 percent will generate overload fault
- Transfer Time: 50 msec
- Output Distortion: Less than 3% THD
- Crest Factor: 2.5 for 125 and 250W models
- Load Power Factor: 0.5 lead to 0.5 lag
- Output Types: Normally On, Normally Off and Switched Outputs

### Battery

- Type: Valve-Regulated Sealed Lead Calcium
- Charger: 3 rate with Temperature Compensation
- Recharge Time: 24 Hour recharge standard
- Runtime: 90 Minutes at 25 deg. C, 2-hour option available
- Protection: Automatic Low Voltage Disconnect (LVD) set at 1.67 VPC
- DC Voltage: 12/24 VDC Nominal, 2.27 VPC float, temperature compensated
- DC Current: 12.5A nominal for 125/250 Watt model respectively

### Environmental

- Operating Temp: 20 to 30 degrees Centigrade
- Storage Temp: -20 to 70 degrees Centigrade (Electronics)
- Storage Temp: 0 to 40 degrees Centigrade (Batteries)
- Relative Humidity: <95 % (non-condensing)

### Physical

- Cooling: Natural convection-No fans
- Cabinet: NEMA Type 1 enclosure, 18 ga. powder coated Cold Rolled Steel

## DIMENSIONS

Model	Width	Height	Depth	Weight
PW12	14.27"	10.09"	4.11"	32lbs
PW25	17.27"	11.09"	8.60"	64lbs
Recessed Mount PW12	16.00"	11.88"	3.77"	34lbs
T-Bar Mount PW12	23.75"	4.51"	4.97"	28lbs

