



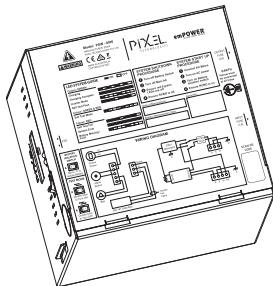
PSW-60W

User Guide

Rev: 1.0.2314.0

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Description



The PSW-60W pure sine wave emergency power supply with an RCBO protected output is the perfect solution for powering your lift emergency lighting and fans providing up to 2 hours of battery backed up power at 60W. A test mode can be enabled to simulate a power failure and operate connected loads from battery backup with visual status LEDs providing indication where the battery may require attention or replacement. An emFONE & Alarm Bell interface provides additional battery backup to your lift phone, whilst the StationBus interface provides connectivity to our emFONE 181 system allowing for status reports to Pixel's Eliot Cloud monitoring platform.

Features:

- 220V AC 50Hz Pure Sine Wave
- 100W Maximum Output Power, 2 Hours with a 60W Load
- RCBO Protected Output, with 30mA Earth Leakage Trip Sense
- Intelligent Battery Charging, Monitoring and Test functionality
- Built-in Replaceable 12V/18Ah SLA Battery
- emFONE and Alarm Bell Outputs
- Status LED Indicators
- Elliot Cloud Integration via the emFONE 181 System StationBus
- Complies AS1735.2001, EN-81-20 and AS3000-2007 standards


Installation & Setup

WARNING



400V DC
240V AC

Before proceeding ensure the system is completely shutdown. Follow the shutdown procedure printed on the case cover. **Further details provided on back page.**

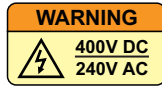
- 1 To access the internal wiring terminals, open the top cover lid, by removing the two securing screws and lifting the lid up.
- 2 Breakout the 25mm cable conduit openings available on each side.
- 3 Connect an EARTH wire to the Earth Lug Screw Terminal.
 Earth Wire **MUST** be connected at ALL times
- 4 Wire in your load to the AC Output terminal.
- 5 Wire in your 240V AC Mains input. If a switched active is not required loop this in from mains active. *Further Details provided on back page.*
- 6 If available, wire in the emFONE power, Alarm button interface and Alarm Bell power.
- 7 Turn ON AC Mains power.
- 8 Set Battery Isolation switch to I position.
- 9 Turn ON the built-in RCBO.
- 10 The system will power on providing 240V AC power to the output load and the green system LED will blink indicating battery is charging.
- 11 Follow the system shutdown procedure printed on case cover before replacing the case cover and screws.
- 12 Mount the unit in a suitable location using mounting brackets provided and repeat steps 7-9 to repower the system.

Specifications

Operating Voltage	240V AC 50Hz
Operating System Power	25W (excluding connected load)
Inverter Output Voltage	220V AC 50Hz Pure Sine Wave
Output Power (max)	100W
Input & Output Fuses	M205 250V 1A Slow Blow
Output Protection	Overload, Short Circuit, RCBO Earth Leakage
Battery Type	12V 18Ah SLA
Battery Charge Time	< 10 Hours
Battery Runtime	2 Hours @ 60W Load
Phone & Bell Output	12V DC, 500mA (max)
Battery Replacement	3 years
Operating Temperature	0 - 50°C
Operating Humidity	90% max relative humidity, noncondensing
Mounting	Brackets supplied
Dimensions (mm)	247(W) x 183(H) x 160(D) ,with brackets



SCAN ME
To access product page on your tablet or smart phone



WARNING High-Voltage remains active when mains is switched OFF. During installation and maintenance follow the system shutdown procedure printed on the case cover.

To access the internal wiring terminals for installation or when servicing the unit and accessing the battery for maintenance or replacement:

Remove the two bottom screws and lift the case up

Internal Battery

12V 18Ah SLA Battery
Replacement PN: SR-12V-18AH

Battery replacement required 3 years from install date.

Remove battery terminal plug from circuit board before removal. Slide UP ↑ to remove battery.

On-board Battery Fuse
20A Auto Blade Fuse
PN: 0287020.PXCN

System Status LED Indicators

LED system guide on case cover

Battery Isolation & Test Mode Switch

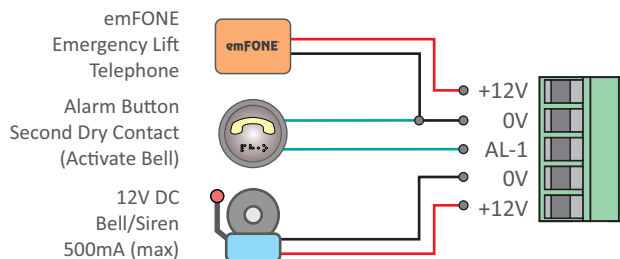
Set Switch to **O** to isolate the Battery from the system during installation, maintenance and transport.

Built-in Battery Test Mode

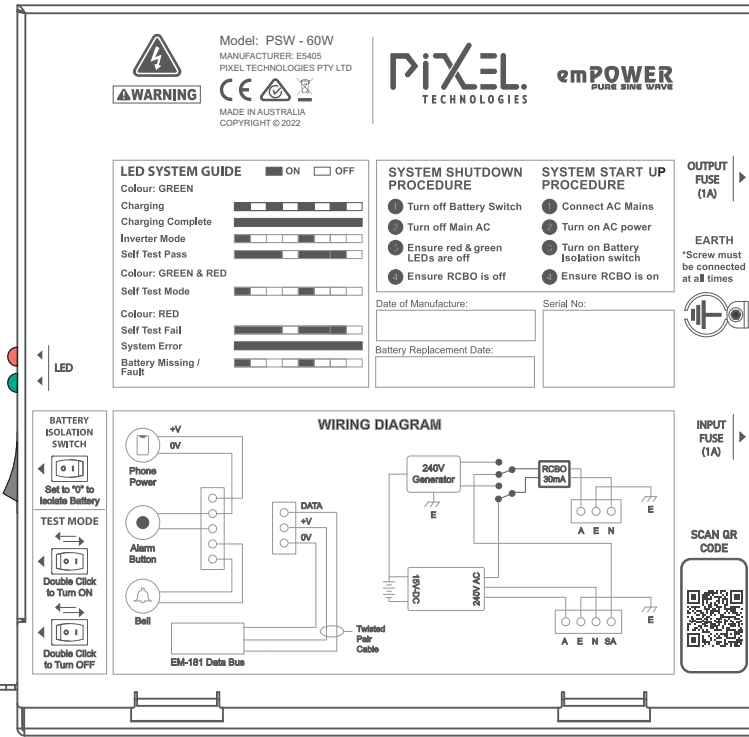
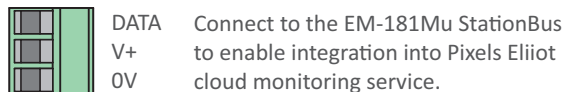
- Double Click to Start Test
- Double Click to Stop Test
- Double Click to Clear Test Results (return to idle)

Test results provided via the LED Indicators
Test Runtime: 2 Hours

emFONE, Alarm Button & Bell Interface



EM-181Mu Station Bus Interface



Conduit breakout openings on each side of the chassis enclosure
Recommended: 25mm Conduit & Lock Nut

AC Input & Output Fuses

Current: 1A Slow Blow
Type: M205 250V
Fuse Holder:
Push-in and twist to Open / Reinsert

RCBO Protected Output

Current: 10A
Trip Sense: 30mA

Earth Lug Screw Terminal

Earth Wire **MUST** be connected at ALL times

240V AC Output

Neutral
Earth
Active

240V AC Mains Input

Active
Earth
Neutral
Switched Active (S/A)

Switched Active Input: Provides external control of the Active wire to the 240V AC Output. Loop Active wire into S/A terminal for application where 240V AC is always provided to the output. Eg. Light are always on when AC mains is present. Alternatively this input can be switched externally for additional control to the AC Output load.