

CAUTION

1. Always use the correct terminals for connection, even if the unit's chassis is negatively grounded.
2. Ensure the unit is turned off before plugging it into a wall outlet.
3. Position the unit in a well-ventilated, dry location.
4. Avoid touching the unit while it's in operation. Despite its high-efficiency design, it can become hot.
5. The unit has a current limiting system to guard against overloading.
6. In the event of a short circuit during output, the unit's short-circuit protection will activate. Immediately turn off the unit, address the short circuit's cause, and then restart the unit.
7. Avoid using this unit for devices with high current requirements during startup, like motorized equipment, or for charging car batteries.
8. Refrain from using a car cigarette lighter in the unit's 12V DC Power Outlet.
9. Always turn off the unit before replacing a fuse and ensure the replacement fuse is of the specified type.
10. Ensure the product is properly grounded at all times to avoid electric shocks and reduce noise interference.
11. Do not disassemble or modify the unit. Tampering with its internals can damage the product and void the warranty.

INTRODUCTION

The Intellitron PS-2230MLB is a compact, lightweight 30A switching power supply designed for amateur radio, featuring a Noise-Offset Control to minimize RF interference. With a stable 13.8VDC output, it includes a 12VDC cigarette plug and an illuminated dual-function meter, making it a reliable and user-friendly choice for powering your communications gear.

SPECIFICATIONS

Input Voltage: 110VAC 60Hz

Output Voltage: 13.8VDC (Fixed Voltage)

Output Voltage Regulation: Less than 2%

Protection: Short-circuit, auto current limiting up to 30A

Output Current: Maximum 30A, continuous 20A

Ripple: Below 80mVp-p at rated load

Fuse: 8A

Meter: Single-function volt/current meter with backlighting

Dimensions: 6(W) x 2-3/4(H) x 8-5/8(L) inches

Weight: Approximately 3.5 lbs

PART NAMES AND FUNCTIONS

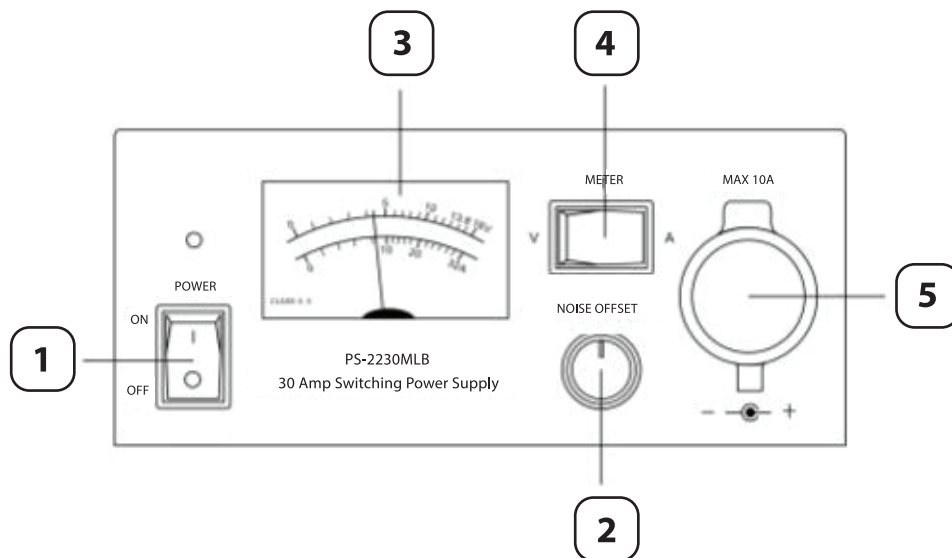
1. Power Switch: Activates or deactivates the unit.

2. Noise Offset: Adjust to mitigate pulse noise specific to this switching power supply, designed for communication. Its effectiveness can vary based on frequency and mode.

3. Meter: Showcases either the voltage or the current.

4. Meter Switch: Toggle between voltage (V) and current (A) display.

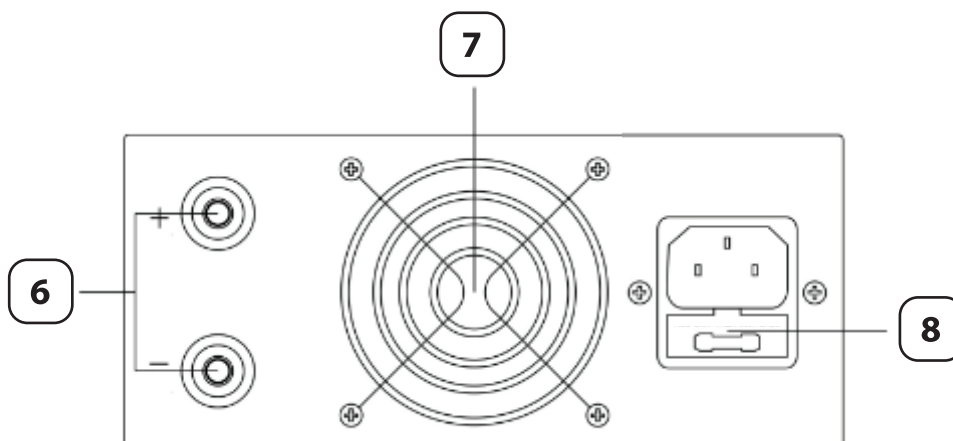
5. 12V DC Power Outlet: Maximum 10A.



6. Output Terminal: Maximum 30A. Positive is red, negative is black.

7. Cooling Fan: Helps to keep the unit cool during operation.

8. Fuse: Protects the unit from electrical irregularities.



TWO YEAR LIMITED WARRANTY

This Limited Product Warranty is provided by the Dealer where your Intellitron product was purchased. The Product Warranty extends only to the original purchaser of the product and is valid for a period of two years from the date of purchase. Please keep your dated sales receipt as evidence of the date of purchase. You will need it to receive warranty service. Your Dealer warrants the product will be free from defects in workmanship and materials under normal use. If the product fails to conform to the warrant and is within the warranty period of two years, contact your original dealer for a return authorization. Your dealer may choose to either repair or replace the non-conforming product.