



Thank you for purchasing the Intellitron Deluxe Switching Power Supply. The PS-2228A-MB is designed to supply up to 28 Amps maximum current or 25 Amps continuous current at 13.8 VDC. The PS-2245A-MB is designed to supply up to 45 Amps maximum current or 40 Amps continuous current at 13.8 VDC.

## **FEATURES**

- Short circuit and over voltage protection
- Output power rated at continuous service
- Binding post output terminals
- Precision regulation of output voltage
- Low peak-peak ripple of less than 0.3%
- External fuse access
- High surge capacity
- Heavy duty metal cabinet with powder coating
- Analog meters with LED backlight

## **INSTALLATION**

Before plugging in PS-2228A-MB or PS-2245A-MB into an AC outlet, make sure the proper input voltage was selected on the rear of the unit. Select 115 for 100/110/120 VAC operation or 230 for 200/220/240 VAC operation. PS-2228A-MB or PS-2245A-MB is set for 115VAC by default. The load can be connected to either 5-way binding posts or cigarette lighter socket. You have the third fast connector on PS-2245A-MB. Note that any devices that require more than 7 Amps must use 5-Way binding post output. The lighter socket or fast connector output can/should be used for maximum of 7 Amps output.

## **OPERATION**

**DC Adjustment:** The DC adjustment control knob on the front panel is used to set the DC output voltage of the PS-2228A-MB or the PS-2245A-MB from 9V to 15VDC. For most HF and VHF radios, set the output at 13.8VDC.

**FAN:** The cooling fan on the PS-2228A-MB or PS-2245A-MB will operate when the unit is turned ON. The speed of the fan varies depending on the setting of the DC output.

**PROTECTION:** The PS-2228A-MB/PS-2245A-MB will automatically shut off if overcurrent or overvoltage is detected. To reset, turn the unit OFF and wait 20 seconds, then turn the unit back on. The PS-2228A-MB/PS-2245A-MB has a fuse in the power cord connection on the back of the unit. There are two slots for these fuses. The slot closest to the unit locks the fuse in place and then becomes part of the circuit. The slot at the rear of the tray is a place to store a spare fuse for emergency cases. Please use the same type and rating of fuse. The PS-2228A-MB uses 110V/8A fuse, and the PS-2245A-MB uses 110V/15A fuse.

## **SPECIFICATIONS**

Model	PS-2228A-MB	PS-2245A-MB
<b>Input Voltage</b>	AC 110V or 220V +/- 10% switchable	
<b>Input Frequency</b>	47- 63 Hz	
<b>Polarity</b>	Negative	
<b>Output Voltage</b>	9 -15V adjustable	
<b>Continuous (13.8V)</b>	25A	40A
<b>Surge (13.8V)</b>	28A	45A
<b>Overvoltage Protection</b>	16V +/- 0.5V	
<b>Ripple &amp; Noise</b>	Peak to peak ripple & noise <0.3%	
<b>Efficiency</b>	75%	
<b>Dimension L/W/H (inch)</b>	6.7 x 5.7 x 4.3	8.7 x 8.9 x 5.7
<b>Net Weight</b>	4 lbs	8.8 lbs

## **NOTE**

1. When the power supply has been run for a long period, we suggest that before turning off the power supply, run the power supply for a short period without any load to allow the cooling fan to reduce case temperature.
2. WARNING! DANGEROUS VOLTAGE INSIDE. DO NOT OPEN.



### **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.

## PART NAMES

1. Voltage and Amp Meter
2. Power Indicator
3. Power Switch
4. Fan Indicator
5. Five-Way Binding Post
6. Output Voltage Adjust Knob
7. Lighter/AUX Socket
8. Quick Connectors

