



## 25 AMP SWITCH MODE POWER SUPPLY Model 72-8115 USER MANUAL

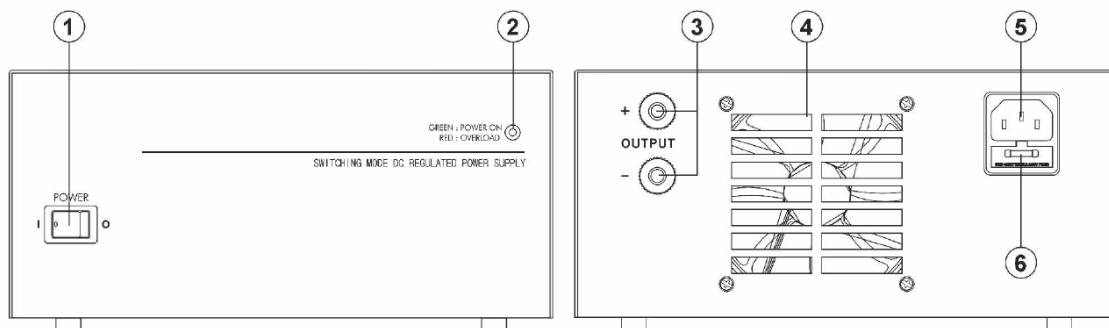
### 1. INTRODUCTION

This high current, fixed voltage, regulated switch mode power supply features built with Over Voltage Protection (OVP) and Dynamic Power Factor Correction. It is suitable for applications in telecommunications such as two-way radio, RF amplifiers, and other high current applications including autosound and multimedia.

### 2. PRECAUTIONS

- This power supply is intended for indoor use only
- **Never** remove the metal cover of the power supply while AC power is connected
- **Never** touch the unit when your hands are wet
- **Never** block ventilation slots or cooling fan intake
- Refer servicing only to qualified service personnel, as incorrect re-assembly may result in a risk of electric shock or fire
- Power supply output provides 13.8VDC fixed output, be certain connected load accepts this voltage
- **Never** use the power supply for the load requiring higher current than the designed value, at the risk of damage to the supply
- Place the power supply on a flat surface with sufficient clearance, dry, dust free surroundings for ventilation
- Do not expose the power supply to sun, high humidity or dust levels

### 3. CONTROL AND INDICATORS



- (1) Power on/off switch  
(3) Output Terminals  
(5) AC Input Connector

LED Indicator :

Green – Power ON

Red – Overload/OverTemp/OVP)

- (2) Bi-color LED Indicator  
(4) Cooling fan air intake  
(6) Fuse Holder

#### 4. OPERATION

- Switch on the power supply, confirm that the LED indicator is green
- Switch off the power supply
- Confirm that equipment to be connected 13.8VDC
- Connect the positive input of the equipment to the Red output terminal of the power supply
- Then, connect the negative input of the equipment to the Black output terminal of the power supply
- Switch on the power supply, confirm that the LED indicator is green
- Switch on the connected equipment and the LED Indicator should still remain in green
- You can now operate the equipment
- When operation is finished, switch off the equipment first and then switch off the power supply

#### 5. FEATURES

- Switch mode design provides light weight and compact size
- Current fold-back over load protection with LED indicator
- Over temperature protection: When the protection is triggered, the output voltage and current drop to a safe level, and the overloaded indicator lights
- Over Voltage Protection at 16.5V
- High RFI Stability

#### 6. SPECIFICATIONS

•Fixed Output Voltage	13.8VDC
•Rated Output Current	25A
•Ripple and Noise	50mVp-p
•Load Regulation	200mV
•Line Regulation	50mV
•Input Voltage	110VAC, 60Hz
•Efficiency	>78%
•Dynamic Power Factor Correction	>0.95
•Indicator	Bi-Color (Green/Red) LED
•Cooling Method	Variable Speed Fan
•Dimensions	4.33" (H) x 8.67" (W) x 8.67" (D)
•Weight	7.7 lbs.