

# NP-9900 SERIES DC REGULATED POWER SUPPLY

## USER'S MANUAL

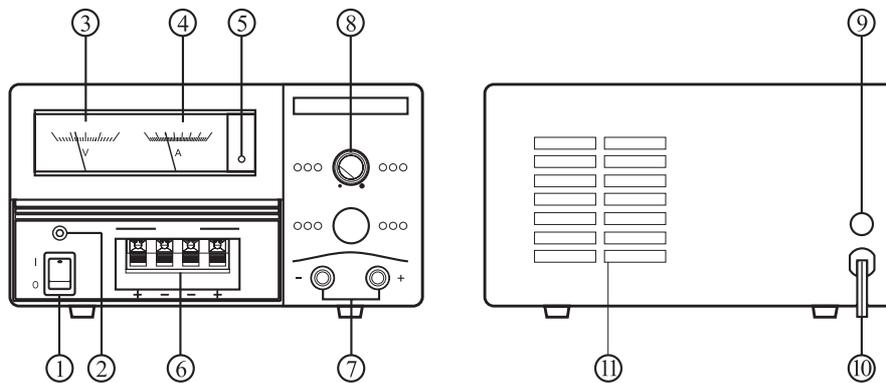
### 1. GENERAL

NP-9900 Series DC Regulated Power Supply is a completely solid state, compact, well-regulated, constant voltage power supply suitable for service field, hobby & especially for telecommunication equipment use. For safety purpose, a three-wire power cord is provided.

### 2. FEATURES

1. Overload and Short Circuit Protection: Prevent the unit from overload and short circuit. When the unit is under the condition of overload or short circuit, the output current will be limited.
2. Two different output terminals are provided: Easy Snap on output terminals for small current output and screw-on output terminals.

### 3. FRONT AND REAR PANELS



- |                                  |                               |
|----------------------------------|-------------------------------|
| 1. ON/OFF Switch                 | 7. Screw-On Output Terminal   |
| 2. Power Indicator               | 8. Output Voltage Adjust Knob |
| 3. Voltmeter                     | 9. Fuse Holder                |
| 4. Ammeter                       | 10. Power Cord                |
| 5. Overload Indicator            | 11. Cooling Fan Air Outlet    |
| 6. Easy Snap-On Output Terminals |                               |

### 4. OPERATION

#### **A. Installation:**

1. Place the unit in a location where allows free air circulation.
2. **DO NOT** places the unit in high humid, dusty and/or sunny places.
3. The input power source must be  $\pm 5\%$  of the rated input voltage.

*Note: The power supply is for indoor use only.*

#### **B. Caution:**

1. **DO NOT** use the unit for equipment that requires higher current ratings than the unit is designed for, otherwise damage could occur to the unit.
2. **DO NOT** replace the fuse before ceasing the problems and *assigned value of fuse* must be used in place.

3. If the external flexible cable or cord of this damage, it shall be replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
4. The installation of the supply cord and plug shall be installed and protected in accordance with national wiring rules.

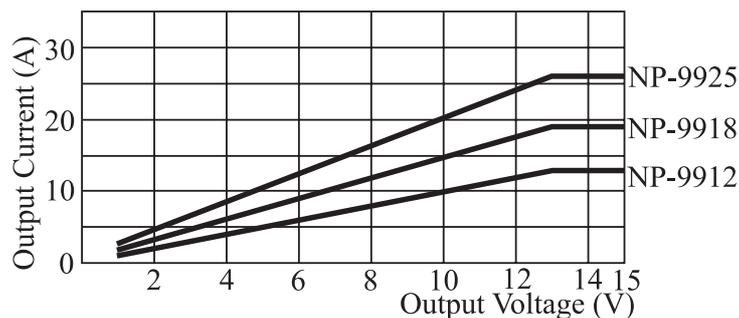
### C. Safety Precautions:

The following precautions **MUST** be read carefully to prevent from electric shock.

1. **NEVER** remove the metal cover of the power supply while power source is connecting.
2. **NEVER** touch the power supply when your hand is wet.
3. **NEVER** operate the power supply if foreign materials such as metallic objects, water or other debris have fallen inside. Contact your dealer for check and repair.
4. **NEVER** operate the unit that was being damaged. As the voltage regulation circuitry may have been disabled, the resulting high DC voltage could cause damage to your equipment.
5. **NEVER** allow foreign objects to touch the output terminals.
6. **NEVER** repair the unit or inspect the interior part by yourself if it is damaged or working abnormally. Contact your dealer for check of repair.
7. **NEVER** block the cooling fan air outlet.

### D. Output Current:

Output currents of the units are depended on their output voltages as the following graph.



### E. Connection and Operation:

1. Turn ON the unit and adjust the unit to suitable output voltage.
2. Turn OFF the unit and the equipment.
3. Connect the equipment to the unit. Positive polarity to red (+) and negative polarity to Black (-).
4. Firstly turn ON the unit and then turn ON the equipment.
5. When an operation is finished, turn OFF the equipment first and then turn OFF the unit.

## 5. SPECIFICATIONS

Model Number:	NP-9912	NP-9918	NP-9925
Output Voltage:	1-15V DC		
Output Current:	12A	18A	25A
Ripple & Noise:	10mV <sub>r.m.s.</sub>		
Load Regulation (0~100% Load):	50mV	60mV	80mV
Power Source:	230Vac/50Hz		
Meters Type:	ANALOG METERS		
Dimension (W×H×D)/mm:	205 × 115 × 280 (mm)		
Weight (Approx.):	5.5 Kg	7 Kg	9 Kg
Accessory:	Instruction Sheet		
CE Approval:	EN61558, EN55014		