

NISSEI NS-1228A/NS-1245A

Instruction Manual

Thank you for purchasing the NISSEI Deluxe Switching Power Supply. The NS-1228A is designed to supply up to 28 Amps maximum current or 22 Amps continuous current at 13.8 VDC. The NS-1245A is designed to supply up to 45 Amps maximum current or 40 Amps continuous current at 13.8 VDC.

INSTALLATION: Before plugging in the NS-1228A/NS-1245A in an AC outlet make sure that 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. NS-1228A/NS-1245A is factory set for 230VAC. The loads can be connected to either the 5-way binding posts or to the cigarette lighter socket. You have the third fast connector on NS-1245A. Note that any devices that require more than 7 Amps must use the 5-Way binding post output. The cigarette lighter socket or fast connector output only be used for maximum 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 NS-1228A/NS-1245A from 9V to 15VDC. For most HF and VHF radios, set the output at 13.8VDC.

FAN: The cooling fan on the NS-1228A/NS-1245A will operate when the unit is turned ON. The speed of the fan varies depending on the setting of the DC output.

PROTECTION: The NS-1228A/NS-1245A will automatically shut off if overcurrent or overvoltage. To reset, turn the unit OFF and wait 20 seconds, then turn the unit back on. The NS-1228A/NS-1245A 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 NS-1228A used 220V/5A fuse, and the NS-1245 used 220V/10A fuse.

SPECIFICHE TECNICHE

Model	NS-1228A	NS-1245A
Input voltage	AC 110V or 220V +/- 10% switchable	
Input frequency	47 - 63 Hz	
Polarity	Negativo a massa	
Output voltage	9 - 15V adjustable	
Continuous (13.8V)	25A	40A
Surge (13.8V)	28A	45A
Overvoltage protection	16V +/- 0.5V	
Ripple & Noise	Peak to peak ripple & noise < 0.3%	
Efficiency	75%	
Dimension L/W/H (mm)	170x145x110	220x227x145
Net Weight	1.8KG	4.0KG

Note:

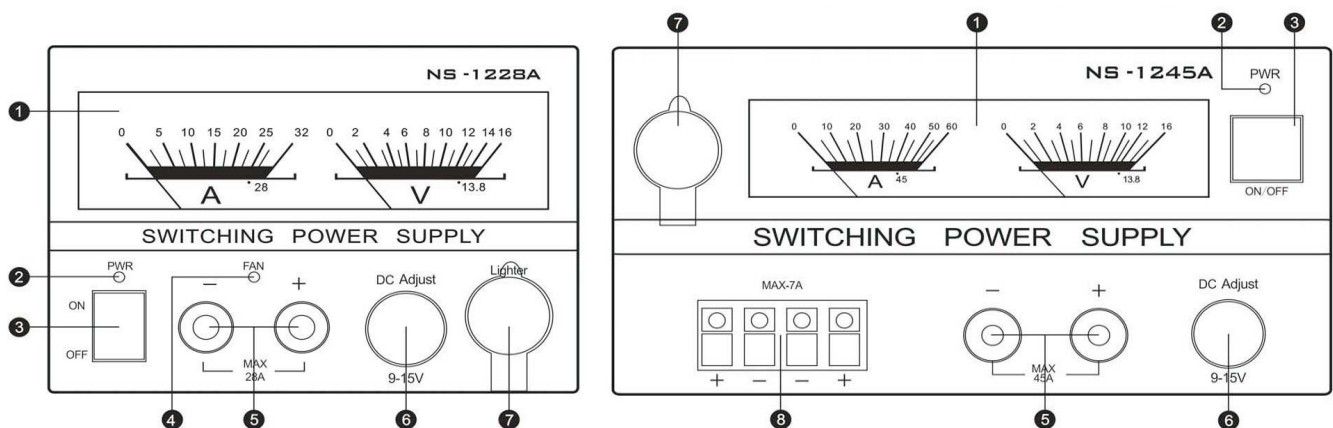
1. WARRANTY IS VOID IF VOLTAGE SELECTOR IS CHANGED
2. Circuit Diagram: When power supply has been run for long periods, We suggest before turning off the power supply. You run the psu for a short period of time without any load to allow the cooling fan to reduce the case temperature.
3. DANGEROUS VOLTAGE INSIDE. DO NOT OPEN.

FEATURE

- 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 power coating
- Backlight LED with blue

APPLICATION

- Communications equipment
- Auto mobile sound systems
- Test equipment and appliances
- Portable entertainment equipment and appliance
- Vehicle accessories and Dclighting systems
- Security systems and CCTV
- Amateur electro plate
- Cooler boxes



FUNCTION

1. Voltage and Ampere meter
2. Power on indicator
3. Power switch
4. Fan on indicator
5. Five-Way binding post
6. Output voltage adjust knob
7. Lighter socket
8. Quick Connectors