

**SP
SERIES**

SWITCH-MODE POWER SUPPLY

Fixed Output Voltage Models :

SP-1208-F
SP-1388-F
SP-1507-F
SP-2404-F



- Switch-Mode with Synchronized Rectifier Technology
- Good Line & Load Regulation with Low Output Ripple Noise
- Compact, Light Weight & High Efficiency
- Output Current Limit & Short Circuit Protection
- Forced Air Cooling

Variable Output Voltage Models :

- 4-Digit LED DVM/3-Digit LED DAM (Selectable)
- Continuous Adjustable Output Voltage



SP-1507-M
SP-3004-M



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SP-xxxx-F & SP-xxxx-M

Features:

Switch-Mode with Synchronized Rectifier Technology
 Fixed or Variable Output Voltage Models are Available
 Good Line & Load Regulation with Low Output Ripple Noise
 Compact, Light Weight & High Efficiency
 Forced Air Cooling

For Variable Output Models:

Continuous Adjustable Output Voltage
 4-Digit LED DVM/ 3-Digit LED DAM (Selectable)

SPECIFICATIONS

Fixed Output Voltage Models (SP-xxxx-F)

| Model | SP-1208-F | SP-1388-F | SP-1507-F | SP-2404-F |
|---------------------------|--|-----------|-----------|-----------|
| Nominal Input AC Voltage | 110V AC / 220V AC @ 60Hz/50Hz Selectable | | | |
| Input AC Voltage Range | 85-135V AC / 170-265V AC | | | |
| On Board Fuse | T2AL 250V 20x5 mm Delay Glass Fuse | | | |
| Output Voltage | 12V | 13.8V | 15V | 24V |
| Continuous Output Current | 8A | 8A | 7A | 4A |
| Output Ripple Noise | <150mVpp | | | |
| Efficiency | > 80% | | | |
| Indicators | Power (Red) & Output (Green) LEDs | | | |
| Protections | (1) Output Short Circuit Protection (Power Off Resume) (2) Output Current Limit | | | |
| Cooling | DC Fan Forced Air Cooling | | | |
| Operating Temperature | 0 °C To +55 °C | | | |
| Dimensions (mm) | 250 (L) x 180 (W) x 70 (H) | | | |
| Weight | 1.5 Kg | | | |

Variable Output Voltage Models (SP-xxxx-F)

| Model | SP-1507-M | SP-3004-M |
|---------------------------|--|-----------|
| Nominal Input AC Voltage | 110V AC / 220V AC @ 60Hz/50Hz Selectable | |
| Input AC Voltage Range | 85-135V AC / 170-265V AC | |
| On Board Fuse | T2AL 250V 20x5 mm Delay Glass Fuse | |
| Output Voltage | 2 – 15V | 2-30V |
| Continuous Output Current | 7A | 4A |
| Output Ripple Noise | <150Vpp | |
| Efficiency | > 80% | |
| DVM | Auto-Range 4-Digit LED Accuracy: +/- (0.9% Reading + 1 Digit) | |
| DAM | Fixed Range 3-Digit LED Accuracy: +10% / -0.8A | |
| Protections | (1) Output Short Circuit Protection (Power Off Resume) (2) Output Current Limit | |
| Cooling | DC Fan Forced Air Cooling | |
| Operating Temperature | 0 °C To +55 °C | |
| Dimensions (mm) | 250 (L) x 180 (W) x 70 (H) | |
| Weight | 1.5 Kg | |