



**MODEL SS-50**



## Product Data Sheet

**SS-50 (IEC 62368)**  
**Switching Power Supply**  
**13.8 VDC, adjustable**  
**50 Amps, peak current**

### Key Features

- **Connectors:** [AC] IEC320-C14, [DC] 2 USB ports, 2 Anderson Power Pole ports, 1x2-Wire Terminals Rear panel port.
- **Power On/Off:** Front Panel Illuminated ON/OFF switch.
- **Adjustable Voltage:** 13.8 VDC  $\pm 1V$ , User manual control.
- **Technology:** >82% efficiency switching, PFC, specific filtering for communication equipment all frequencies and HF.
- **EMI:** Built-in EMI filter meets EMI Standards, EN55022/CISPR 22 (Class-B), FCC Part15 (Class-B), EN55024, EN61000-3-2 (Class-D), EN61000-3-3 (Harmonic) IEC61000-4-2,4,5 (EMS).
- **Protections Built-in:** Current Limiting, Overvoltage protection, Fuse protection, Over Temperature shutdown.
- **Construction:** Low profile, light weight and industrial metal case quality. Optional rack-mount front panel is available.
- **Safety:** Certified to UL/CUL/EN/IEC 62368-1 standards.
- **Environmental:** Certified to Energy Star and CEC standards where required, and RoHS (lead free) compliant.

### Applications

#### Communications Equipment - A Critical Power Solution

The SS-50 model supports currents up to 40A avg and peak up to 50A ICS (\*) peak max. It is ideally suited for use with 12/13.8 VDC communications equipment. Switching technology >82% efficient meets individual power loading requirements. Included is special filter circuitry especially suited for all communications frequencies and HF.

#### Built-in Protection Features

Several protection features are built-in. Included are output current limiting, overvoltage protection, internal fuse protection, and over temperature shutdown.

#### Easy installation, safety and reliability

Integration is seamless with standard 12/13.8 VDC equipment. Front panel 'Anderson Power Pole'; terminals and rear panel screw-wire terminals are heavy duty. Connectors are easy accessible which ensures safe and reliable installation.

### Specifications

• <b>INPUT VOLTAGE:</b>	120 to 230 VAC, 50/60Hz (Nominal Automatic Wide-Range selected)
• <b>OUTPUT VOLTAGES:</b>	13.8 VDC (User manual adjustable $\pm 1 V$ ) 2 USB ports: 5.2V, 1.5A per port
• <b>OUTPUT CURRENT</b>	50A peak current - ICS Intermittent Communication Service (*)
• <b>TEMPERATURE</b>	0 to +50°C Operating, -20 to +85°C Storage 120°C max over-temperature setting
• <b>HUMIDITY</b>	5 to 90% RH Operating, 5 to 95% RH Storage (Non-condensing)

Model No.	Voltage Input	Voltage Output	Continuous Amps	ICS (*) Current
<b>SS-50M</b>	Nominal Auto Selected 120 to 230 VAC 50/60Hz	User Manual Adjust $\pm 1V$ 12.4 to 14.4 VDC $\pm 2\%$	40 A max	50 A peak max



Case Size (H x W x D)	Weight (Approx)
2 <sup>5</sup> / <sub>8</sub> x 7 x 8 <sup>1</sup> / <sub>4</sub> in 67.5 x 7 x 207.5 mm	5 lbs 2.3 kg

(\*) Intermittent Communication Service. Peak current limited to 33% max Duty Cycle, 5 minutes max ON time.



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