



# Product Data Sheet

## SS Series (IEC 62368)

### Switching Power Supplies

#### 13.8 VDC, adjustable

#### 10 – 50 Amps Peak

### Key Features

- **Technology:** >82% efficiency switching, PFC, specific filtering for communication equipment all frequencies and HF.
- **Adjustable Voltage:** 13.8 VDC  $\pm 1V$ , User manual control. USB ports, Power Poles, Digital LED V,A meters available.
- **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:** 'Anderson Power Poles' DC terminals. Industrial metal case quality. Optional rack-mount front panel.
- **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 Critical Power Solution

These power supplies are ideally suited for use with 12/13.8 VDC communications equipment. Switching technology >82% efficient includes special filter circuitry for use with all frequencies including HF. Models support peak ICS (\*) current from 10A to 30A. Some include Volt & Amp numeric displays, 'Anderson Power Pole' terminals & USB ports.

#### Protection Features

All models have built-in protection features including output current limiting, overvoltage protection, internal fuse protection, and over temperature shutdown.

#### Easy installation, safety and reliability

These units integrate seamlessly with standard 12/13.8 VDC equipment. The output screw-type terminals are heavy duty connections and easily accessible from the rear which ensures a safe and reliable installation

### Electrical Specifications

<b>AC INPUT VOLTAGE:</b>	120to 230 VAC, 50/60Hz (Automatic selection)
<b>DC OUTPUT VOLTAGE:</b>	<ul style="list-style-type: none"> <li>• 13.8 VDC (User adjustable <math>\pm 1 V</math>). 'Anderson Power Poles' (some models)</li> <li>• 2-USB ports: 5.2V, 1.5A per port (some models)</li> </ul>
<b>PEAK ICS (*) CURRENT</b>	Model ranges from 10A peak to 50A peak
<b>TEMPERATURE and HUMIDITY</b>	<ul style="list-style-type: none"> <li>• 0 to +50°C Operating, -20 to +85°C Storage</li> <li>• Over-temperature detection: Shutdown and Auto Recovery</li> <li>• 5 to 90% RH Operating, 5 to 95% RH Storage (Non-condensing)</li> </ul>

### Models : (DM) Digital Meters, (PP) DC Power Pole Terminals (USB) USB Ports

Model	DM	PP	USB	Peak ICS (*) Amps	Cont. Amps	Case: H, W, D (in)	Approx Wt (lbs)
SS-10	-	-	-	10	7	2 x 6 x 8 1/4	3.2
SS-12	-	-	-	12	10	2 x 6 x 8 1/4	3.4
SS-18	-	-	-	18	15	2 x 6 x 8 1/4	3.6
SS-25	-	✓	✓	25	20	2 5/8 x 7 x 8 1/4	4.2
SS-30	-	✓	✓	30	25	2 5/8 x 7 x 8 1/4	4.3
SS-50	-	✓	✓	50	40	2 5/8 x 7 x 8 1/4	5.0
SS-25M	✓	✓	✓	25	20	2 5/8 x 7 x 8 1/4	4.2
SS-30M	✓	✓	✓	30	25	2 5/8 x 7 x 8 1/4	4.3
SS-50M	✓	✓	✓	50	40	2 5/8 x 7 x 8 1/4	5.0

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

Without DM, PP, USB

With PP, USB

With DM, PP, USB

Rear, DC all models



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