



Product Datasheet

SS Series Switching Power Supplies 13.8 VDC, adjustable 10 – 50 Amps

Key Features

- High efficiency switching technology, specifically filtered for communications equipment, all frequencies and HF
- Built-in EMI filter certified to EN55022/CISPR 22 (Class-B), FCC Part15 (Class-B), EN55024, EN61000-3-2 (Class-A) , EN61000-3-3 (Harmonic)
- Built-in protections: Current Limiting, Overvoltage protection, Fuse protection, Over Temperature shutdown
- Low profile and light weight package. An optional rack-mount front panel is available
- Heavy duty industrial design with metal construction quality
- Certified Europe and North America to 60950-1 and CE safety standards.
- Certified to Energy Star and CEC environmental standards, where required, and is RoHS (lead free) compliant

Applications

Communications Equipment Critical Power Solution

These power supplies are ideally suited for use with 12 VDC communications equipment. The switching technology has high efficiency and includes special filter circuitry for use with all frequencies including HF. To meet individual power requirements, peak currents from 10A to 30A are supported. Some models include Ampere and Voltage meters.

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

POWER SUPPLY INPUT VOLTAGE:	115 to 220 VAC, 50/60Hz (Automatic selection)
OUTPUT VOLTAGE:	13.8 VDC max, adjustable ± 1 volt
OUTPUT CURRENT – ICS (*)	Up to 50A peak (model SS-50M)
TEMPERATURE	Operating: -25 to +55°C, Storage: -40 to +85°C Overtemperature setting at 70°C max

Desktop Models

	Continuous Amps	ICS (*)	Size (HxWxD)	Wt (lbs)
SS-10 (*)	7	10	2 $\frac{3}{8}$ x 6 x 9	3.2
SS-12 (*)	10	12	2 $\frac{3}{8}$ x 6 x 9	3.4
SS-18 (*)	15	18	2 $\frac{3}{8}$ x 6 x 9	3.6
SS-25 (*)	20	25	2 $\frac{7}{8}$ x 7 x 9 $\frac{3}{8}$	4.2
SS-30 (*)	25	30	2 $\frac{7}{8}$ x 7 x 9 $\frac{3}{8}$	5.0

With V/A Meters

	Continuous Amps	ICS (*)	Size (HxWxD)	Wt (lbs)
SS-25M (*)	20	25	2 $\frac{7}{8}$ x 7 x 9 $\frac{3}{8}$	4.2
SS-30M (*)	25	30	2 $\frac{7}{8}$ x 7 x 9 $\frac{3}{8}$	5.0
SS-50M (*)	40	50	2 $\frac{7}{8}$ x 7 x 9 $\frac{3}{8}$	5.0

(*) ICS - Intermittent Communication Service. Peak current is limited to 50% max Duty Cycle, 5 minutes max ON time.



WWW.ASTRONCORP.COM

9 Autry, Irvine, CA 92618 • (949) 458-7277 • Fax: (949) 458-0826