

AC to DC Power Supplies: Heavy Duty Series

Designed for powering 12 and 24 VDC communication / navigation equipment.

Ideal for base stations, remote sites and portable communication systems, where reliability is the primary consideration.



Product Features

- Input voltage 115 or 230 VAC selected by slide switch on the front panel
- Excellent Regulation and Ripple: Output voltage maintained within 1% under all line and load conditions within rating; Ripple is less than 40 mV P-P. (12 volt) or 70 mV P-P (24-volt)
- Polyurethane conformal coated PC board and corrosion resistant heavy duty aluminum case with integral shock mounts assures survival in hostile environments
- Heat generated by semi-conductors is extracted and dissipated by large heat sink fins that maximize air contact for cool operation and long life of components.
- Supply and Load Circuit Protection: Overvoltage, current limit*; (set @ 105% of intermittent rating), thermal overload and input/output* fusing. * except 6 amp model

Product Specifications

Input	
Voltage	105-125/210-270 VAC, 50-60 Hz @ Continuous Rating 110-125/220-250VAC, 50-60 Hz @ Intermittent Rating
Output	
12 V Models	13.6 VDC (Internally Adjustable 12.6-14.5)
Ripple	40mV P-P
24 V Models	24.5 VDC (Internally Adjustable 21-27.5 VDC)
Ripple	70mV P-P*
Regulation	1% Line and Load*
*(Except Model 115-24-15R)	
Operating Temperature	
Standard Units	0-40°C, Derate Linearly To 50% @ 50°C; Thermal shutdown @ 85° C Case temperature
C.D. Units	0-50°C, Derate Linearly To 50% @ 65°C; Thermal shutdown @ 85° C Case temperature
Duty Cycle*	
Intermittent	20 minutes, 20% duty
Continuous	24 Hours/Day 100% Duty
*Exceeds EIA standards	
Options	Use as a Battery Charger or in parallel/ redundant operation Output voltage adjust. (see output voltage above for range) Transfer relay for back up battery in event of power failure (ERC option avail.) High vibration mounting kit Contact factory for more information
Radar Rectifier	For 24 volt applications that do not require the precise regulation and filtering of our Heavy Duty Power Supplies. Designed for use with equipment that incorporates inductive loads with high start-up surges and continuous duty applications.

Model Selection Guide

Model	Nominal Input /VAC	Output Amps Intermittent*	Output Amps Continuous*	Dimensions	Weight
12 Volt Output					
115-12-6	115 / 230	6	3.5	4.9"H x 5.9"W x 6"D (12.5 x 15.0 x 15.2 cm)	6 lbs (2.7 kg)
115-12-8	115 / 230	8	5	6"H x 4.6"W x 8.5"D (15.2 x 11.7 x 21.6 cm)	10 lbs (4.5 kg)
115-12-20A	115 / 230	20	8	5.7"H x 4.8"W x 16.3"D (14.5 x 12.2 x 41.4 cm)	20 lbs (9.1 kg)
115-12-35 Y	115 / 230	35	15	5.7"H x 7.8"W x 16.0"D (14.5 x 19.8 x 40.6 cm)	29 lbs (13.2 kg)
115-12-35CD	115 / 230	35	35	6.5"H x 9.5"W x 14.0"D (16.5 x 24.1 x 35.6 cm)	32 lbs (14.6 kg)
Y This model is EMC and Safety CE Certified for use in the European Union					
24 Volt Output					
115-24-10	115 / 230	10	4	5.7"H x 4.8"W x 16.3"D (14.5 x 12.2 x 41.4 cm)	20 lbs (9.1 kg)
115-24-18CD	115 / 230	18	18	6.5"H x 9.5"W x 14.0"D (16.5 x 24.1 x 35.6 cm)	32 lbs (14.6 kg)
115-24-35CD	115 / 230	35	35	6.5"H x 13.0"W x 18.75"D (16.5 x 33.0 x 47.6 cm)	60 lbs (27.3 kg)
115-24-15R	115	semi regulated see specs below		11.9"H x 10.5"W x 7.8"D (30.25 x 26.7 x 19.8 cm)	35 lbs (16 kg)