

Heavy Duty Power Supplies



These super-rugged DC supplies are ideal for powering 12 and 24 volt communication equipment in base stations, remote sites and mobile communication applications where reliability is essential. The proven linear circuit design provides pure output and long life.

Features

- Excellent Regulation and Ripple Spec: Output voltage maintained within 1% under all line and load conditions within rating
- 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 for cool operation.
- Protection: overvoltage, current limit; (set @ 105% of intermittent rating), thermal overload and input/output fusing.
- Thermally activated cooling fan on "CD" units.

Specifications

Input Range

105-125 / 210-250 VAC (selectable), 50 - 60 Hz; Derate to 50% output below 110 and 220 VAC

Operating Temperature

Standard Units

0-50° C, Derate Linearly From 100% @ 40° C To 50% @ 50° C
Thermal shutdown @ 85° C Case temperature

C.D. Units

0-65° C, Derate Linearly From 100% @ 50° C To 50% @ 65° C
Thermal Shutdown @ 85° C Case temperature

Duty Cycle

Intermittent: 20 minutes max on time, 20% duty Continuous:
24 Hours/Day 100% Duty

Options

- Modify for use as a Battery Charger
- Output voltage adjust (see Output Voltage for range)

Output Voltage

12 V Models:

13.6 VDC (Internally adjustable 12.6-14.5 VDC) Ripple:
40mV P-P (@ 110-125 / 220-250 VAC input)

24 V Models:

24.5 VDC (Internally adjustable 21-27.5 VDC) Ripple: 70mV
P-P (@ 110-125 / 220-250 VAC input)

Regulation All Models:

1% Line and Load (@ 110-125 / 220-250 VAC input)

Model	Nominal Input/VAC	Output Amperage		Case Size Ref.	Weight	
		Intermittent	Continuous		Lbs.	Kg.
12 Volt Output						
115-12-8	115/230	8	5	P-2	10	4.5
115-12-20A	115/230	20	8	P-3	20	9.1
115-12-35CD	115/230	35	35	P-5	32	14.6
24-Volt Output						
115-24-10	115/230	10	4	P-3	20	9.1
115-24-18CD	115/230	18	18	P-5	32	14.6
115-24-35CD	115/230	35	35	P-6	60	27.3

	Inches			Centimeters		
	H	W	D	H	W	D
P-2	6.0	4.6	8.5	15.2	11.7	21.6
P-3	5.7	4.8	16.3	14.5	12.2	41.4
P-5	6.5	9.5	14.0	16.5	24.1	35.6
P-6	6.5	13.0	18.75	16.5	33.0	47.6

