

10-964

BULK POWER PLANT

AGM 45 -48 VDC, 7.5 to 45 Amps



C&D Technologies' AGM 45 bulk power plant is designed to meet the needs of outside plant, fiber, PBX, microwave and general broadcast applications. Its compact size is ideally suited for applications where space is a premium. By combining the AGM 45 with C&D Technologies' offering of standard power board components, users can configure systems optimized to their unique requirements.

The AGM 45 is used with the AGM 48V / 7.5A rectifier, an advanced 7.5 amp, modular high frequency switched-mode rectifier. The AGM 45 can be configured from 7.5 amps to 45 amps. (Refer to 10-346 for further rectifier specification information.)

PRODUCT OVERVIEW

- Compact size saves rooms for revenue generating equipment
- Hot swappable rectifiers provides for easy maintenance and expansion
- Scaleable system allows cost effective growth and expansion
- Dual AC feed provides for redundant power sourcing, increasing uptime
- Common rectifier throughout all plants reduces inventory costs and training
- Hardened temperature design increases placement flexibility and reliability
- Global design with universal AC input minimizes design cost and inventory requirements
- External HVSD/Restart capability allows for remote control

UNIT SPECIFICATIONS

Input

Input Voltage:106-264 Vac, Single Phase
 Input Current:

	Per Rectifier	AGM 45 (maximum)
@ 110 Vac	4.6 Aac	27.6 Aac
@ 208 Vac	2.6 Aac	15.3 Aac
@ 240 Vac	2.1 Aac	12.7 Aac

Frequency:45-65 Hz
 Power Factor:0.99 Typical

Output

	Per Rectifier	AGM 45 (maximum)
Output Voltage	-48 to -60 VDC	
Total Current	7.5 Amps	45 Amps
Total Power	450 watts	2,700 watts

Ripple:< 250mV, peak-to-peak @ 20 MHz
 Noise:32 dBmC max

Mechanical

	AGM 45
Height	5.3 in (13.3 cm)
Width	19.0 in (48.3 cm)
Depth	14.6 in (37.1 cm)
Weight	23.0 lbs (10.5 kg)

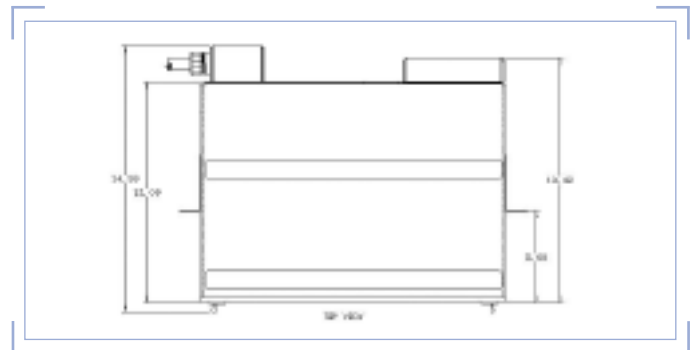
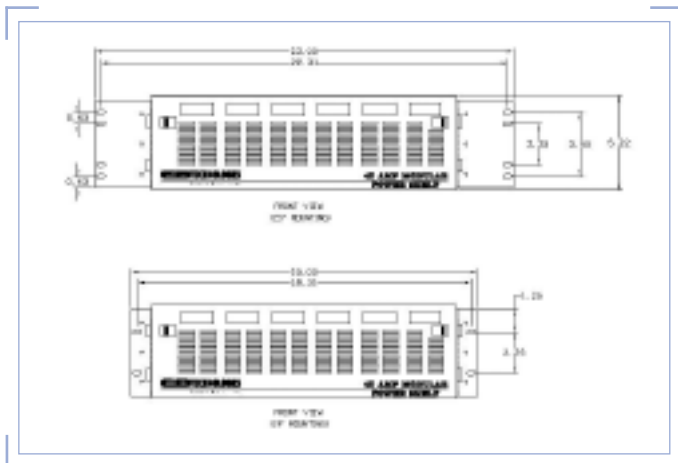
Environmental

Operating Range:-40F (-40C) to 149F (65C)
 Extended Operating Range: ..149F (65C) to 194F (90C)
 Storage:-58F (-50C) to 185F (85C)
 Heat Dissipation (Maximum):
 AGM 45:1,463 BTU / HR (at 45 Adc)
 Cooling:Forced convection cooling
 Humidity:0 to 95%, non condensing
 Operating Altitude:0 to 7,000 ft (0 to 2,133 m)
 Seismic:BELLCORE Zone 4
 Audible Noise:<62 dBA @ 2 ft

Agency Compliance

EMI / RFI:FCC Part 15, Subpart J for Class A equipment, VDE-0875, Class N
 Safety:UL1950
 Surge:Exceeds ANSI / C62.41 1980

DIMENSIONS



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