

10-962

## COMPACT REMOTE POWER PLANTS

AGM 15 and AGM 25  
-48 VDC, 7.5 to 22.5 Amps



A flexible and powerful system for small power plants, the AGM series delivers advanced power management features and easy expandability in an integrated system. The AGM 15 and AGM 25 power plants are an excellent solution for customer premises, fiber optics, outside plants and other applications requiring smaller increments of -48 Vdc power and where space is at a premium.

The AGM 15 and AGM 25 power plants provide the features of larger plants in a simple, cost effective package that allows for upgrades and changes. The AGM is used with the AGM 48V / 7.5A rectifier, an advanced 7.5 amp, modular high frequency switched-mode rectifier. The AGM 25 can be configured from 7.5 amps to 22.5 amps and the AGM 15, from 7.5 to 15 amps. (Refer to 10-346 for further rectifier specification information.)

### PRODUCT OVERVIEW

- Common rectifier throughout all plants reduces inventory costs and training
- Hot swappable rectifiers provides for easy maintenance and expansion
- Scalable system enables cost effective growth and expansion
- Front access design for all wiring reduces installation time and simplifies maintenance on integrated plants
- Extensive battery monitor and alarm capability improves visibility and understanding of DC plant operations
- Advanced temperature compensation provides improved battery operations and reduces the possibility of thermal run away
- Hardened temperature design increases placement flexibility and reliability
- Global design with universal AC input minimizes design cost and inventory requirements

	Bulk Power Plant List 1	Basic Power Plant List 2	Advanced Power Plant List 3	Advanced Power Plant List 4
Power Plant Chassis	•	•	•	•
Power Back Plane	•	•	•	•
Rectifier Signal and Control Interface	•	•	•	•
Integral Distribution	•	•	•	•
Load Connections and Ground Returns	•	•	•	•
Test Jacks		•	•	•
Alarm LEDs and Form "C" Contact Outputs		•	•	•
Microprocessor Based Plant Controller			•	•
LVD - Load Disconnect			•	
LVD - Battery Disconnect				•
Single Point Plant Voltage Adjustment			•	•
Advanced Alarm Features			•	•
Advanced Control Features			•	•

**UNIT SPECIFICATIONS**

**Input**

Input Voltage: .....106 to 264 Vac, Single Phase  
 Input Current:

	Per Rectifier	AGM 15 (maximum)	AGM 25 (maximum)
@ 110 Vac	4.6 Aac	9.2 Aac	13.8 Aac
@ 208 Vac	2.6 Aac	5.1 Aac	7.7 Aac
@ 240 Vac	2.1 Aac	4.2 Aac	6.4 Aac

Frequency: .....45-65 Hz  
 Power Factor: .....0.99 Typical

**Output**

	Per Rectifier	AGM 15 (maximum)	AGM 25 (maximum)
Output Voltage	-48 to -60 VDC		
Total Current	7.5 Amps	15 Amps	22.5 Amps
Total Power	450 watts	900 watts	1,350 watts

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

**Distribution**

8 – GMT fuse positions

**Mechanical**

	AGM 15	AGM 25
Height	3.5 in (8.9 cm)	3.5 in (8.9 cm)
Width	15.6 in (39.0 cm)	21.5 in (55.0 cm)
Depth	12.0 in (30.5 cm)	12.0 in (30.5 cm)
Weight	13.5 lbs (6.0 kg)	18.0 lbs (8.2 kg)

**Environmental**

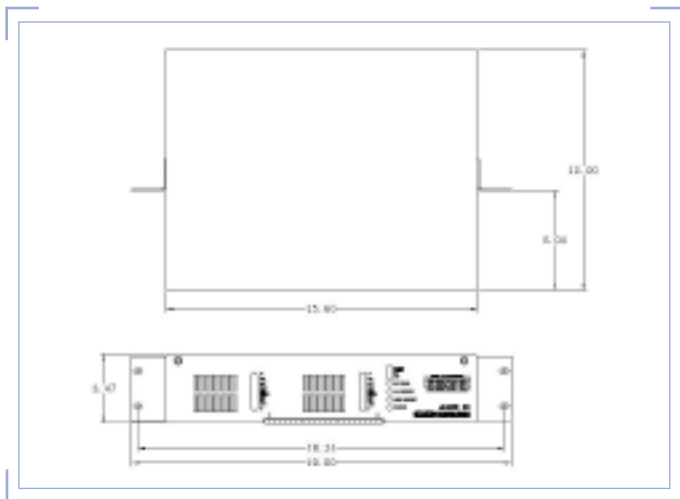
Operating Range: .....-40F (-40C) to 149F (65C)  
 Extended Operating Range: ..149F (65C) to 194F (90C)  
 Storage: .....-58F (-50C) to 185F (85C)  
 Heat Dissipation (Maximum):  
     AGM 15: .....488 BTU / HR (at 15.0 Adc)  
     AGM 25: .....732 BTU / HR (at 22.5 Adc)  
 Cooling: .....Forced Convection 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**

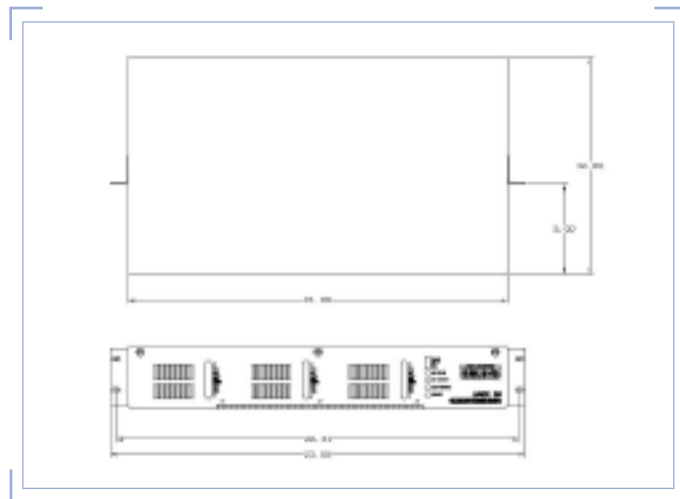
EMI / RFI: .....FCC Part 15, Subpart J for Class A equipment, VDE-0875, Class N  
 Safety: .....UL1950  
 Surge: .....Exceeds ANSI / C62.41 1980

**DIMENSIONS**

**AGM 15**



**AGM 25**



**STANDBY POWER DIVISION**

1400 Union Meeting Road  
 P.O. Box 3053 • Blue Bell, PA 19422-0858  
 (215) 619-2700 • Fax (215) 619-7899 • (800) 543-8630  
 customersvc@cdtechno.com  
 www.cdtechno.com

Any data, descriptions or specifications presented herein are subject to revision by C&D Technologies, Inc. without notice. While such information is believed to be accurate as indicated herein, C&D Technologies, Inc. makes no warranty and hereby disclaims all warranties, express or implied, with regard to the accuracy or completeness of such information. Further, because the product(s) featured herein may be used under conditions beyond its control, C&D Technologies, Inc. hereby disclaims all warranties, either express or implied, concerning the fitness or suitability of such product(s) for any particular use or in any specific application or arising from any course of dealing or usage of trade. The user is solely responsible for determining the suitability of the product(s) featured herein for user's intended purpose and in user's specific application.