RM12-100DC

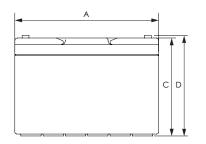
DATA SHEET

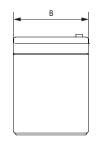


Cyclic AGM Battery Block

REMCO Deep Cycle Series VRLA Industrial Batteries provide superior high integrity and reliability with its maintenance-free Valve Regulated Lead Acid (VRLA) construction, making REMCO Deep Cycle Series the definitive choice for Solar/Renewable Energy, Marine and RV.

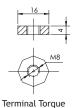
Mechanical Drawings



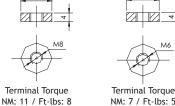


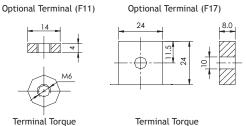


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Terminal (F12)





NM: 7 / Ft-lbs: 5 NM: 11 / Ft-lbs: 8

Mechanical Specifications

Length (A)	12.1 in	306 mm			
Width (B)	6.65 in	169 mm			
Height (C)	8.19 in	208 mm			
Total Height (D)	8.35 in	212 mm			
Weight*	61.3 lbs	27.8 kgs			
Terminal (Opt'l)	F12 (F11) (F17)				
Cells	6				
Electrolyte	AGM				

**CAUTION: Extra considerations must be given to depths of discharge, operating voltages and currents when designing systems for use at maximum temperatures.

Electrical Specifications

Voltage	12 V			
Internal Resistance	6 mΩ			
Short Circuit 20°C (68°F)	-			
20 HR	100 Ah			
10 HR	94 Ah			
5 HR	82 Ah			
1 HR	62 Ah			
Charge Temperature	-10°C (14°F) to 50°C (122°F)			
Discharge Temperature	-20°C (-4°F) to 50°C (122°F)			
Maximum Discharge**	-40°C (-40°F) to 60°C (140°F)			

Benefits and Features

- · Tank formed lead-tin-calcium plates deliver consistent dependable performance and promote long life
- · Maintenance-free technology
- 99% gas recombination for extended life in float applications
- Multiple terminal, configuration options and carrying handles available with most
- Classified as a non-spillable battery and is not restricted for transportation by:
 - Air (IATA/ICAO provision 67)
 - Surface (DOT-CFR-HMR49)
 - Water (per IMDG amendment 27)
- · Flame retardant ABS case and cover with UL94 V0 rating available
- · UL924 recognized flame arresting low pressure safety vents
- 98% recyclable

Certifications and Standards

Designed in accordance with and published in compliance with applicable BCI, IEC and BS EN standards, including:

- IEC60896-21/22
- BS EN 60254-1:2005
- AS/NZS 4029.2.2000 BS EN 60254-1:2005 (MOD)

The manufacturing facilities and products are certified to multiple standards:

- ISO, QS and TUV standards
- **ETTS Germany**
- Euro Bat classification for **Environmental Stewardship Standards**

Discharge Constant Current (Amperes at 25°C/77°F)

•		•		,					
End Point V/C	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	300	205	165	96.8	62.0	25.6	17.8	9.80	5.10
1.65V	276	194	157	92.6	59.5	24.8	17.3	9.75	5.09
1.70V	252	182	148	88.2	56.9	24.0	16.8	9.70	5.08
1.75V	225	169	139	83.6	54.2	23.1	16.2	9.60	5.06
1.80V	198	154	129	78.8	53.4	22.1	15.5	9.40	5.00

Discharge Constant Power (Watts at 25°C/77°F)

End Point V/C	5 MIN	10 MIN	15 MIN	30 MIN	45 MIN	1 HR	2 HR	3 HR	5 HR
1.60V	528	372	304	186	138	117	68.2	48.4	33.8
1.65V	491	353	299	180	134	115	67.0	47.8	33.6
1.70V	454	335	290	176	132	113	65.8	47.3	33.3
1.75V	419	317	279	170	129	110	64.6	46.7	33.2
1.80V	381	296	270	164	126	107	63.9	45.9	32.9













Contact Us



Phone: 0800 422 228 www.hcb.co.nz

Charge and Discharge							
Max Charge / Discharge Currents	Peak (5 seconds)	Peak (10 seconds)	Max Continuous				
Charge	1c20	0.75c20	0.25c20				
Discharge	15c20	10c20	0.5c20				

Float (Stand-By) Use: Hold a constant voltage of 2.25vpc to 2.30vpc continuously. When held at this voltage, the battery will seeks its own current level and maintain itself in a fully charged condition.

Cyclic Use: Limit initial currents to 0.25C20 amps. Charge until battery voltage reaches 2.40 to 2.45vpc. Hold at 2.40 to 2.45vpc until current drops to under 0.01C20 amps. Battery is fully charged under these conditions, and charger should be disconnected or switched to "float" voltage.

Temperature Coefficient: Adjust charging voltage to +/- 0.005vpc (C, 0.003vpc/F) from 25°C (77°F).

