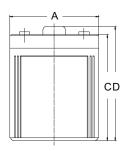
DATA SHEET

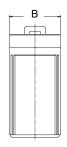


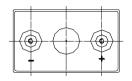
Float AGM Battery Block

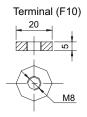
Discover® AGM Series VRLA Industrial Batteries provide superior high integrity and reliability for commercial, industrial, and private applications. The maintenance-free Valve Regulated Lead Acid (VRLA) construction make Discover® Standard AGM Series Batteries the definitive choice for broadband and CableTV (CATV), Uninterruptible Power Supplies (UPS), telecommunications, and electronics and security applications.

Mechanical Drawings









Mechanical Specifications			
Length (A)	6.73 in	172 mm	
Width (B)	4.01 in	102 mm	
Height (C)	8.1 in	205 mm	
Total Height (D)	8.94in	227 mm	
Weight	17.5 lbs	7.95 kgs	
Terminal (Opt'l)	F10		
Cells	1		
Electrolyte	AGM		

TERMINAL TORQUE: Please refer to our document, located in the Resources webpage (www.discover-energy.com/resources/).

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	2 V	
Internal Resistance	4 mΩ	
Short Circuit 20°C (68°F)	-	
20 HR	160 Ah	
10 HR	150 Ah	
5 HR	133 Ah	
1 HR	95 Ah	
15 MIN	-	
Charge Temperatures	-10°C (14°F) to 50°C (122°F)	
Discharge Temperatures	-20°C (-4°F) to 50°C (122°F)	
Maximum Discharge*	-40°C (-40°F) to 60°C (140°F)	

End Point V/C	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HI
	J Mill	-	_	-		_	-		2011
1.60V	<u> </u>	290	218	145	95.0	40.7	28.7	15.8	-
1.65V	-	275	207	139	92.8	39.2	28.2	15.6	-
1.70V	-	260	196	132	89.0	38.0	27.4	15.4	-
1.75V	-	243	185	125	85.0	37.0	26.6	15.2	-
1.80V	-	225	174	118	81.0	35.0	25.5	15.0	-
ischarge Const	ant Power	(Watts a	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 HF
1.60V	-	420	381	290	218	182	117	79.3	58.0
1.65V	-	396	360	275	207	174	113	77.4	57.0
1.70V	-	371	339	260	197	166	109	75.3	56.0
1.75V	-	346	318	245	186	158	105	73.0	55.0
	-	i e	i	229	175	149	100	70.5	53.8

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 models
- 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
- Up to 12 year design life in float service

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)

Discover® and its facilities and products are certified to multiple standards:

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















Contact Us



Unit 5-13511 Crestwood Place, Richmond, BC, V6V 2E9, Canada Email: info@discover-energy.com www.discover-energy.com



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		

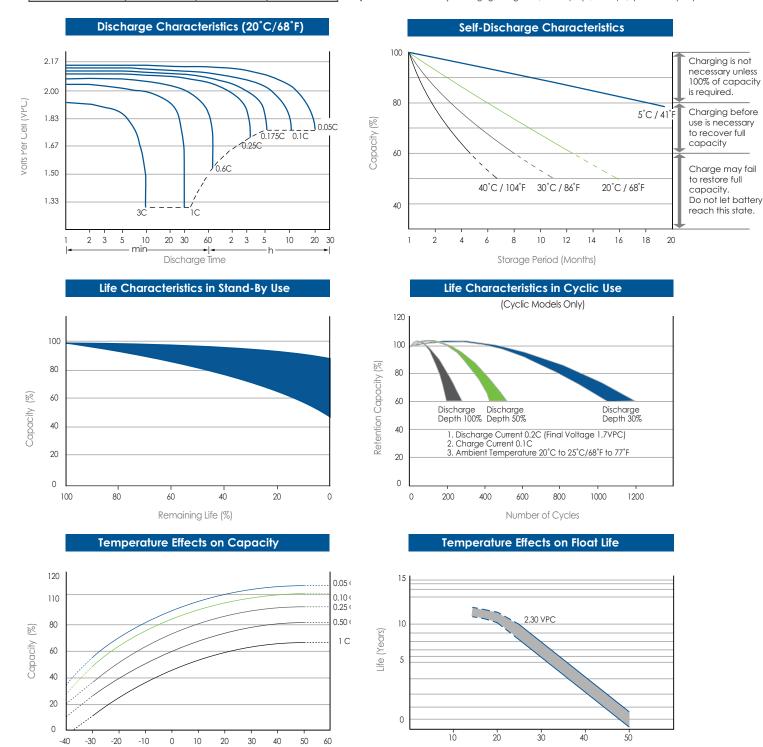
Temperature (°C)

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).



Temperature (°C)