D12650S

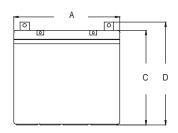
DATA SHEET

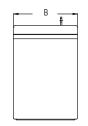


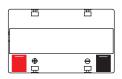
Float AGM Battery Block

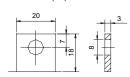
Discover® AGM Series VRLA Industrial Batteries provide superior high integrity and reliability for commercial, industrial, and private applications. The maintenance-free Valve Regulated Lead Acid (VRLA) construction make Discover® Standard AGM Series Batteries the definitive choice for broadband and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

Mechanical Drawings

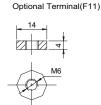








Terminal (F5)



Mechanical Specifications				
Length (A)	13.8 in 350 mm			
Width (B)	6.6 in 167 mm			
Height (C)	7.05 in 179 mm			
Total Height (D)	7.05 in	179 mm		
Weight	43.1 lbs	19.6 kgs		
Terminal (Opt'I)	F5 (F11)			
Cells	6			
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	12 V	
Internal Resistance	8 mΩ	
Short Circuit 20°C (68°F)	-	
20 HR	67 Ah	
10 HR	65 Ah	
5 HR	55.5 Ah	
1 HR	39.5 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)	

Discharge Constant Current (Amperes at 25°C/77°F) **10 MIN 15 MIN** End Point V/C 5 MIN **30 MIN** 1 HR 3 HR 5 HR 10 HR 20 HR 1.60V 210 153 120 67.5 39.5 16.8 11.7 6.70 3.50 1.65V 200 147 115 65.5 38.3 16.6 11.5 6.70 3.50 1.70V 188 140 109 62.8 36.8 16.3 11.3 6.60 3.45 174 131 103 59.8 35.0 16.0 11.1 6.60 3.40 1.75V 1.80V 161 119 95.7 56.1 329 15.6 10.9 6.50 3.35 Discharge Constant Power (Watts at 25°C/77°F) 10 MIN End Point V/C 5 MIN 15 MIN **30 MIN 45 MIN** 1 HR 2 HR 3 HR 5 HR 1.60V 361 268 210 125 96.7 76.7 49.8 34.4 23.0 1.65V 340 253 119 92.2 73.4 48.3 33.6 22.6 317 237 191 112 87.6 70.1 1.70V 46.7 32.6 22.1 1.75V 292 220 181 105 82.9 66.6 44.8 31.7 21.7 78.1 63.0 1.80V

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	

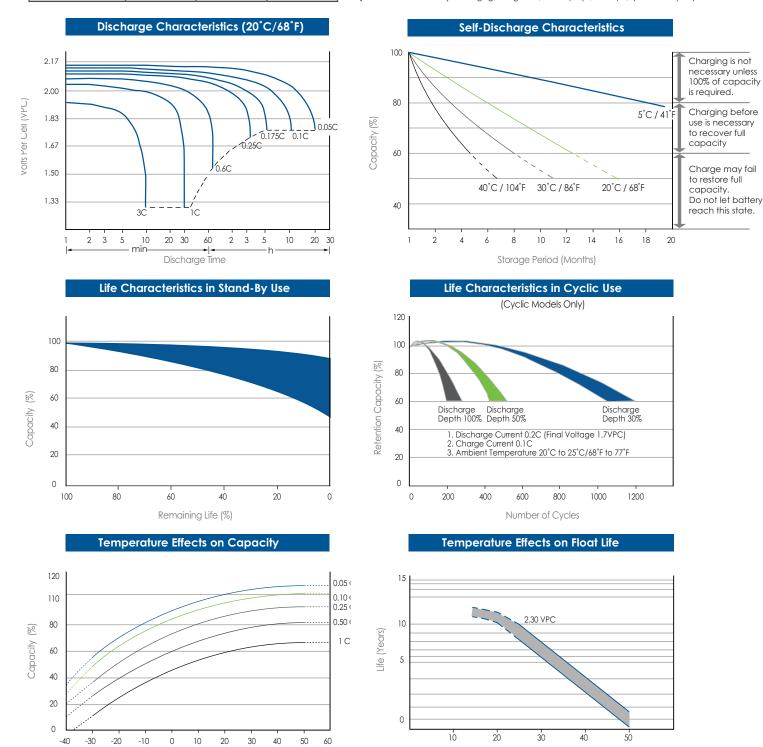
Temperature (°C)

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)