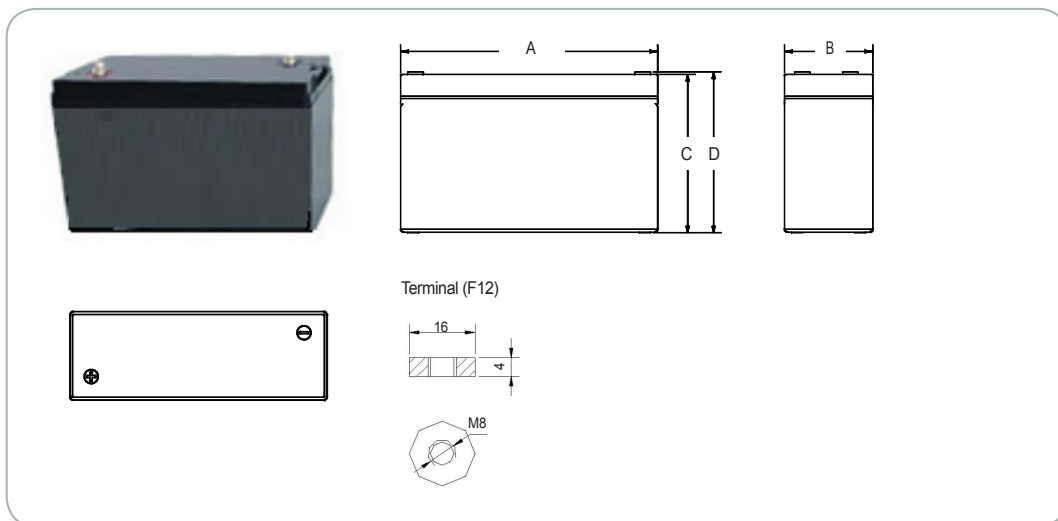


## D62250

### 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 Specifications

Industry Reference	-	
Length [A]	12.6 in	320 mm
Width [B]	6.93 in	176 mm
Height [C]	8.85 in	225 mm
Total Height [D]	9.02 in	229 mm
Weight	70.5 lbs	32 kgs
Terminal (Opt'l)	F12	
Terminal Torque (NM)	9.5 - 10.5	
Cells	3 Cell	

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

### Electrical Specifications

Volts	6V
RINT	3.5 mOhms
Short Circuit (68°F / 20°C)	-
20 HR	230 Ah
10 HR	225 Ah
5 HR	191 Ah
1 HR	137 Ah
15 MIN	-
Standard Charge	50°F / -10°C to 122°F / 50°C
Standard Discharge	-4°F / -20°C to 122°F / 50°C
Maximum Discharge**	-40°F / -40°C to 140°F / 60°C

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

End Point V/C	5 MIN	10 MIN	15 MIN	30 MIN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	-	453	362	225	137	58.2	35.2	22.8	11.9
1.65V	-	427	342	216	135	57.3	34.7	22.7	11.65
1.70V	-	403	320	207	131	56.2	34.3	22.6	11.6
1.75V	-	377	301	195	127	55.0	33.8	22.5	11.5
1.80V	-	349	281	182	119	53.6	33.2	22.3	11.4

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

End Point V/C	5 MIN	10 MIN	15 MIN	30 MIN	45 MIN	1 HR	2 HR	3 HR	5 HR
1.60V	-	788	637	419	299	277	152	107	77.5
1.65V	-	750	617	403	295	231	148	106	76.9
1.70V	-	711	596	388	288	267	145	104	76.3
1.75V	-	669	577	372	281	261	142	103	75.8
1.80V	-	635	542	357	276	256	138	102	75.1

### AGM Series Features & Benefits

- 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 (ATA/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 available.
- 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

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## Charging

Max Charge / Discharge Currents	Peak (5 seconds)	Peak (10 seconds)	Max Continuous
Charge	1C20Hr	0.75C20Hr	0.25C20Hr
Discharge	15C20Hr	10C20Hr	0.5C20Hr

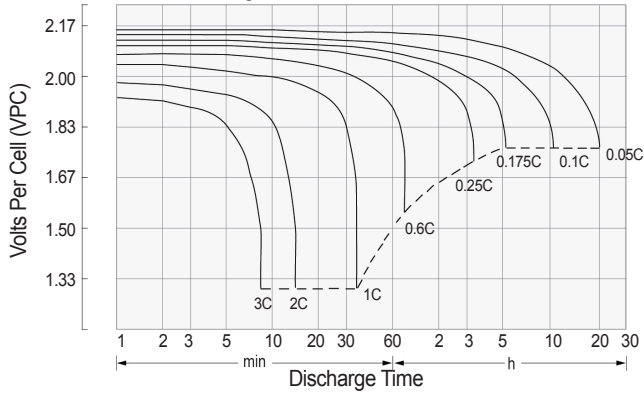
**"Float" or "Stand-By" Service:** Hold a constant voltage source of 2.25vpc to 2.30vpc continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

**Cyclic Application:** Limit initial currents to 0.25C20 ampere. Charge until battery voltage (under charge) reaches 2.4 to 2.45vpc. Hold at 2.40 to 2.45vpc until current drops to under 0.01C20 ampere. Battery is fully charged under these conditions, and charger should be disconnected or switched to "float" voltage.

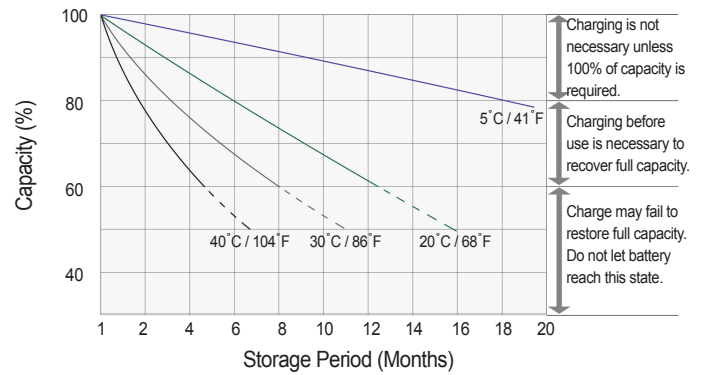
**Temperature Coefficient:** Adjust Charging Voltage to  $\pm 0.005\text{vpc}/^\circ\text{C}$ ,  $0.003\text{vpc}/^\circ\text{F}$  from  $25^\circ\text{C}/77^\circ\text{F}$ .

## Performance Characteristics

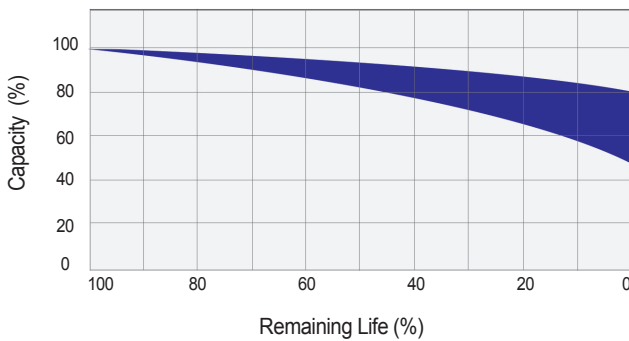
Discharge Characteristics ( $20^\circ\text{C} / 68^\circ\text{F}$ )



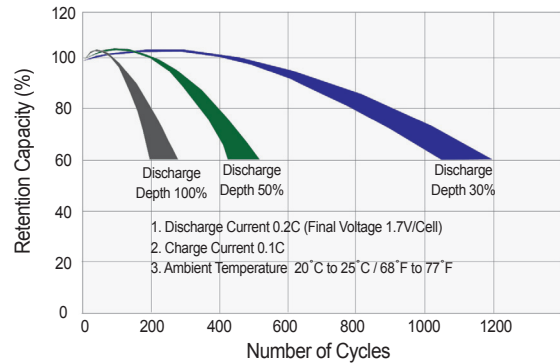
Self-Discharge Characteristics



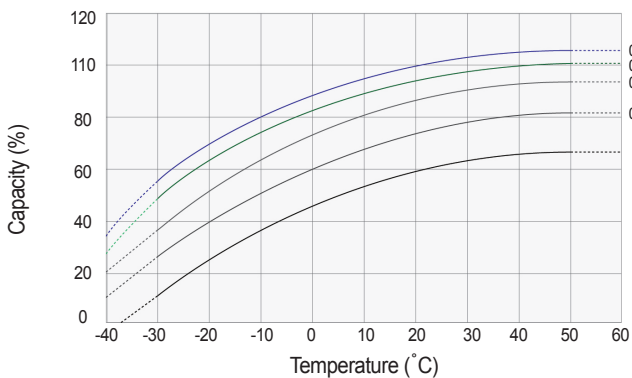
Life Characteristics in Stand-By Use



Life Characteristics in Cyclic Use (Cyclic Models Only)



Temperature Effects on Capacity



Temperature Effects on Float Life

