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Specification

Cells Per Unit	6
Voltage Per Unit	12 V
Nominal Capacity	100Ah@20hour-rate to 1.80V per cell @25°C
Weight	Approx. 30Kg (Tolerance±3.0%)
Internal Resistance	Approx. 6.5 mΩ
Terminal	F12(M8)
Max. Discharge Current	1000A (5 sec)
Short Circuit Current	2100A
Design Life	10 years (Float charging)
Max. Charging Current	30.0 A
Reference Capacity	C3 82.4AH C5 90.0AH C10 100.0AH C20 108.0AH
Standby Use Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	Agr Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 8 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C Please charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

Agromot Deep Cycle Gel batteries are designed for maintenance-free usage and produced for high performance and trouble-free charge and discharges thanks to its Dry Battery Technology. Provides wide product range for power charge. Particular usage areas;

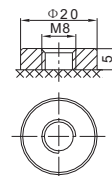
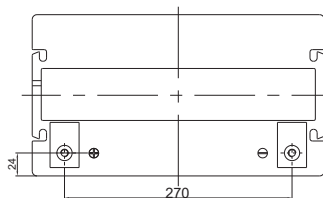
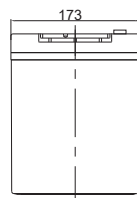
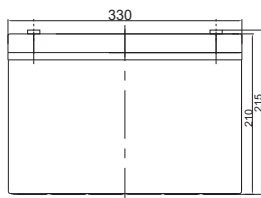
- *Motorhome, Caravan, Tiny and Wooden House
- *Marine yachts and boats
- *Solar powered home and workplace systems
- *Telecommunication infrastructure networks
- *UPS storage systems

As a result of long time experience and know-how of AGROMOT in deep discharge agm battery systems and excellent engineering technology;

- *Strong Polypropylene casing
- *Impregnated AGM separators providing maximum reach by Deep cycle and instantaneous current draw
- *Controllable process calibration

provide AGROMOT to sustain among the companies in the World market for many years long in terms of quality.

Dimensions



Length	330mm±2mm (13 inches)
Width	173±2mm (6.81inches)
Height	210±2mm (8.27 inches)
Total Height	215±2mm (8.46 inches)
Terminal Value	M8 10~12 N*m
Unit: mm	

F12 Terminal

Constant Current Discharge Characteristics : A (25°C)

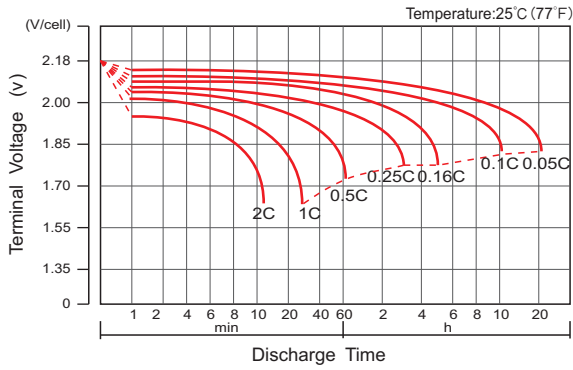
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	218.0	175.7	104.1	61.1	36.4	28.2	22.2	19.1	12.8	10.5	5.53
1.65V	193.3	165.1	100.0	59.0	35.2	27.3	21.6	18.4	12.6	10.4	5.43
1.70V	178.0	154.6	95.5	57.1	34.1	26.6	21.0	17.9	12.4	10.3	5.36
1.75V	162.9	143.9	91.3	55.0	32.9	25.8	20.4	17.4	12.2	10.1	5.30
1.80V	147.4	132.9	87.3	52.9	31.7	25.0	19.9	17.0	12.0	10.0	5.25
1.85V	122.5	110.3	75.2	47.4	29.1	23.1	18.5	15.9	11.3	9.42	4.96

Constant Power Discharge Characteristics : WPC (25°C)

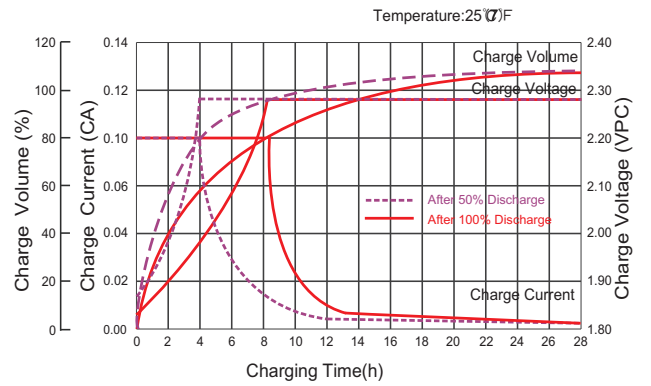
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	1950	1524	1025	625	402	286	235	185	118	96	62
1.65V	1914	1425	1015	618	389	280	230	176	112	92	59
1.70V	1846	1395	1008	605	376	271	226	172	110	90	57
1.75V	1650	1310	1002	600	370	265	217	168	106	88	52
1.80V	1538	1264	1001	598	362	262	215	165	101	87	49
1.85V	1409	1184	998	578	356	259	212	159	96	85	46

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C10 should reach 95% after the first cycle and 100% after the third cycle.

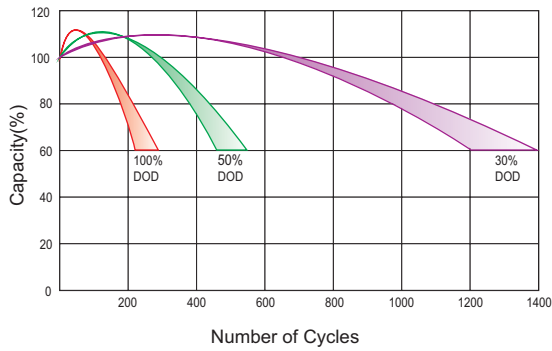
Discharge Characteristics Curve



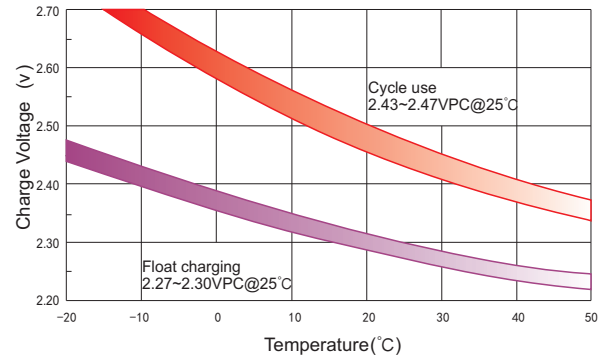
Charge Characteristic Curve For Standby Use



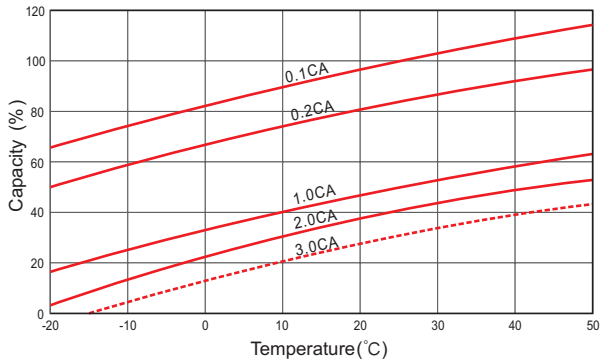
Cycle Life In Relation To Depth Of Discharge



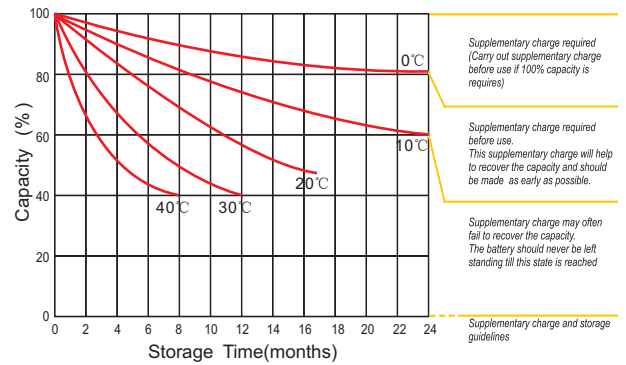
Relationship Between Charging Voltage And Temperature



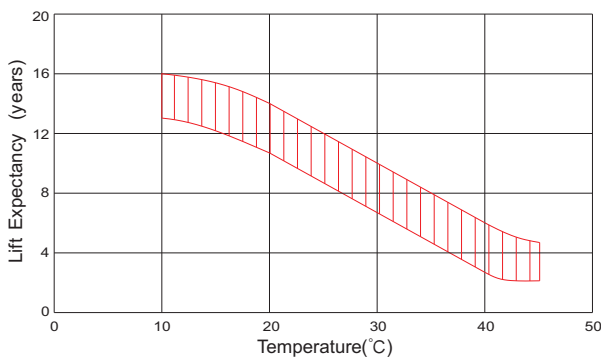
Temperature Effects On Capacity



Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use

