ROVON POWER

RoveAGM

RA12-200

12V 200Ah



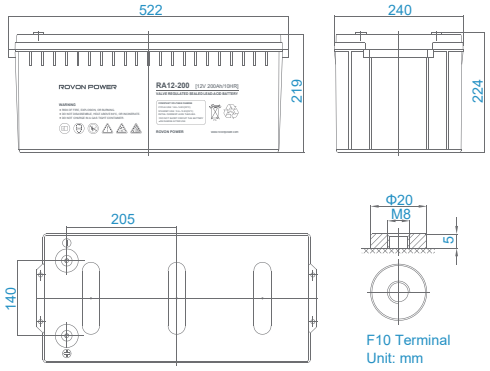
AGM Valve Regulated Lead Acid Battery

RoveAGM series is a general purpose battery with 12 years design life in float service. It meets with IEC, JIS, BS, GB/T and YD/T standards. With advanced AGM valve regulated technology and high purity raw material, the RoveAGM series battery maintains high consistency for better performance and reliable standby service life. It is suitable for UPS/EPS, telecom, power grid, medical equipment, emergency light and security system applications.

Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	200Ah@10hr-rate to 1.80V per cell @25°C
Weight	Approx. 56.5kg (Tolerance ±3.0%)
Internal Resistance	Approx. 4.2mΩ
Terminal	F16(M8) / F10(M8)/L6
Max. Discharge Current	2000A (5 sec)
Short Circuit Current	3430A
Design Life	12 years (Float charging)
Maximum Charging Current	60.0 A
Reference Capacity	C3 154.8Ah C5 174.5Ah C10 200.0Ah C20 212.0Ah
Standby Use Voltage	13.6V~13.8V @25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.6V~14.8V @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	ROVON Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 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

Dimensions



Length
522±2mm (20.6 inches)

Width
240±2mm (9.45 inches)

Height
219±2mm (8.62 inches)

Total Height
224±2mm (8.82 inches)

Terminal M5 Value
6-7 N*m

Terminal M6 Value
8-10 N*m

Terminal M8 Value
10-12 N*m

Constant Current Discharge Characteristics: A (25°C)

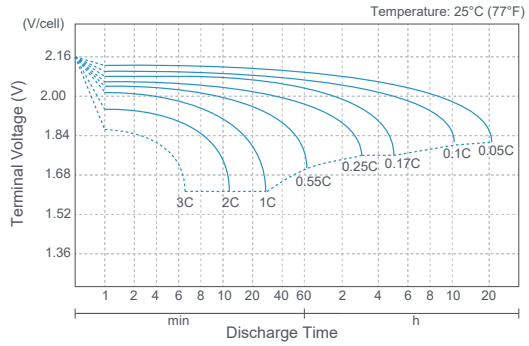
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	430.5	348.7	214.7	122.2	72.8	56.4	44.3	37.7	25.4	21.1	11.0
1.65V	406.8	333.4	206.1	118.0	70.5	54.7	43.1	36.8	25.1	20.8	10.9
1.70V	374.5	312.3	197.0	114.2	68.2	53.2	42.0	35.8	24.7	20.5	10.7
1.75V	342.8	290.6	188.3	110.0	65.8	51.6	40.9	34.9	24.3	20.3	10.6
1.80V	310.3	268.3	179.9	105.8	63.4	50.0	39.7	34.0	23.9	20.0	10.5
1.85V	253.6	222.7	155.0	94.9	58.1	46.2	36.9	31.7	22.5	18.8	10.0

Constant Power Discharge Characteristics: W/cell (25°C)

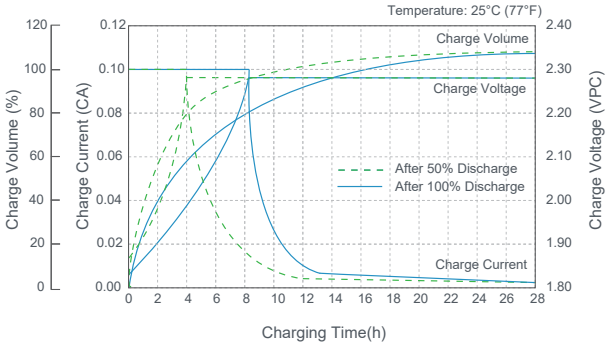
F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	731.8	609.7	389.9	229.6	138.0	107.7	85.1	72.7	49.5	41.5	21.7
1.65V	704.9	591.5	378.2	223.0	134.2	104.9	83.1	71.1	49.1	41.0	21.4
1.70V	660.8	562.3	365.2	217.1	130.5	102.5	81.2	69.5	48.4	40.5	21.2
1.75V	615.8	530.9	352.6	210.5	126.5	99.8	79.4	68.0	47.8	40.0	21.0
1.80V	567.1	497.1	340.4	203.6	122.6	97.1	77.4	66.5	47.1	39.5	20.8
1.85V	471.8	418.4	296.1	183.7	113.0	90.2	72.2	62.2	44.4	37.3	19.7

RA12-200 12V 200Ah

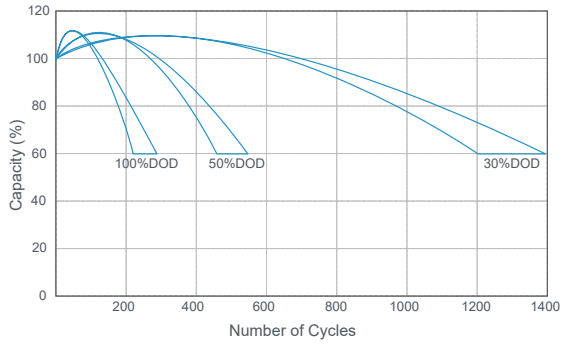
Discharge Characteristics Curve



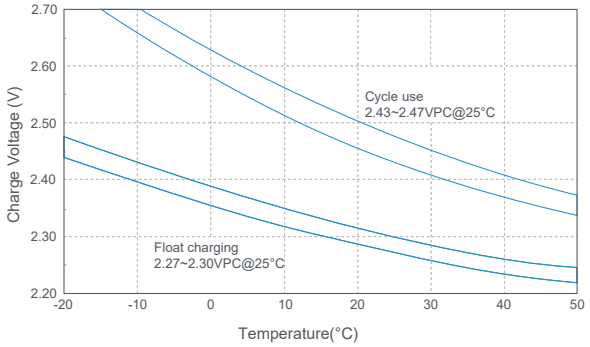
Charge Characteristic Curve for Standby Use



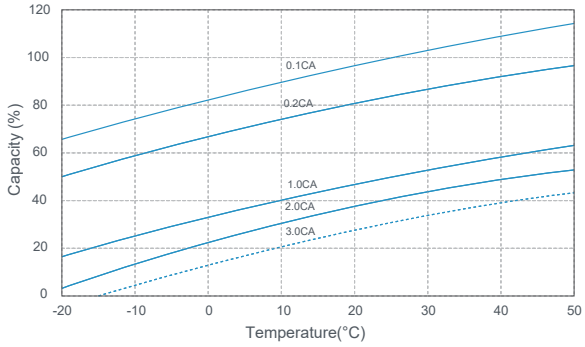
Cycle Life in Relation to Depth of Discharge



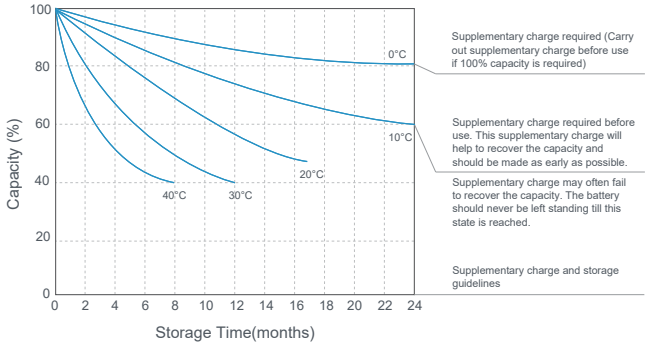
Relationship Between Charging Voltage and Temperature



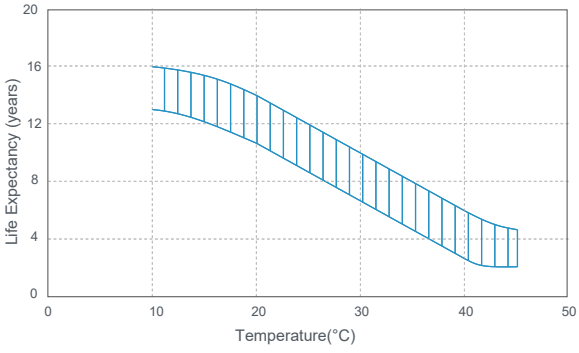
Temperature Effects on Capacity



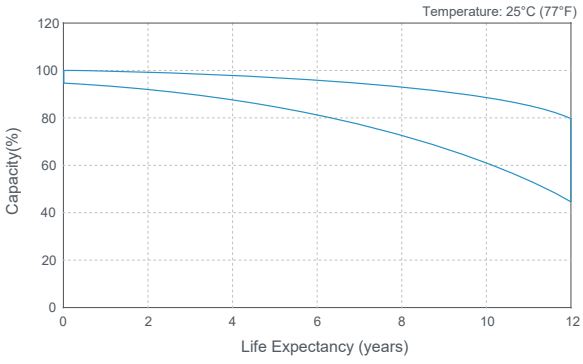
Storage Characteristics



Effect of Temperature on Long Term Life



Life Characteristics Of Standby Use



Specifications are subject to change without prior notice. ROVON reserves the right to interpret and update this information.