



بازتاب انرژی

Baztab Energy

VRLA-AGM BATTERY - MEDIUM AND LARGE SERIES

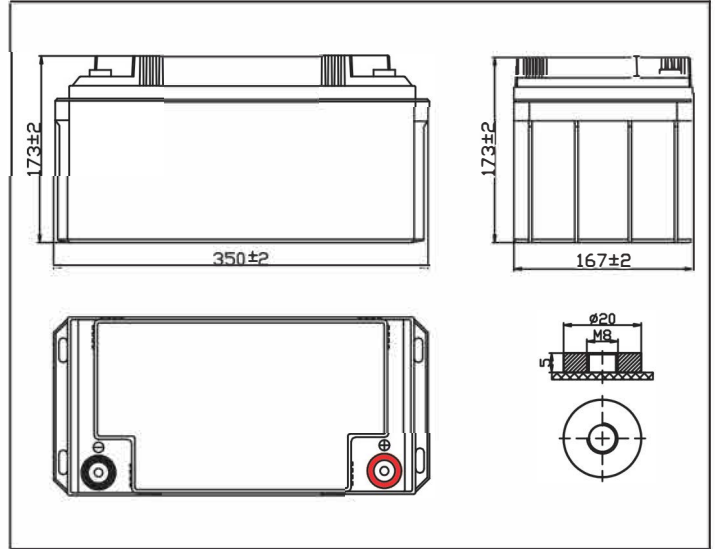
MODEL:RA 12-65

Flame Retardant



Plane Chart:

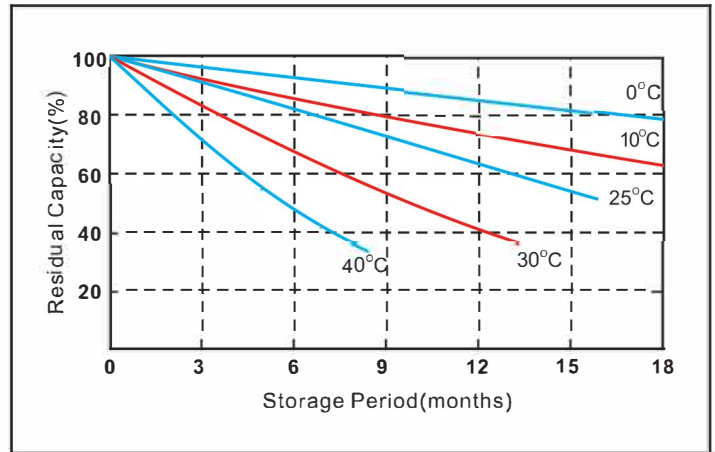
Unit:(mm) Terminal type:(T3)



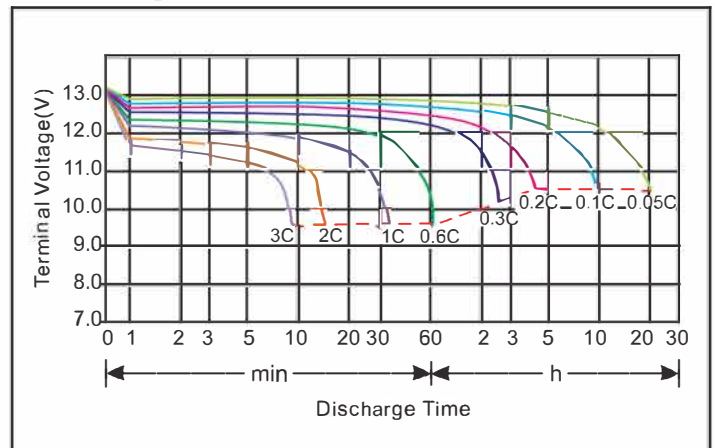
Parameter Chart:

| Volts | | 12V | |
|----------------------------------|----------------------------------|--|--|
| Capacity(25°C) | 20 hours rate (3.25A) | 65Ah | |
| Discharge Current Testing (25°C) | 1 hours rate (35.7A) | 36Ah | |
| | 3 hours rate (16.2A) | 49Ah | |
| Internal Resistance | Full Charged Battery 25°C | 7.2mΩ | |
| Capacity Affected By Temperature | 40°C | 104% | |
| | 25°C | 100% | |
| | 0°C | 83% | |
| | -15°C | 65% | |
| Residual Capacity (25°C) | Capacity After 3 Months Storage | 91% | |
| | Capacity After 6 Months Storage | 82% | |
| | Capacity After 12 Months Storage | 65% | |
| Charge (Constant Voltage) | Cycle (25°C) | Initial Charging Current Less Than 19.5A Voltage 14.5~14.9V | |
| | Float (25°C) | Charge Voltage 13.6~13.8V | |
| Weight (Approx) | | 19.2Kg | |

Residual Capacity

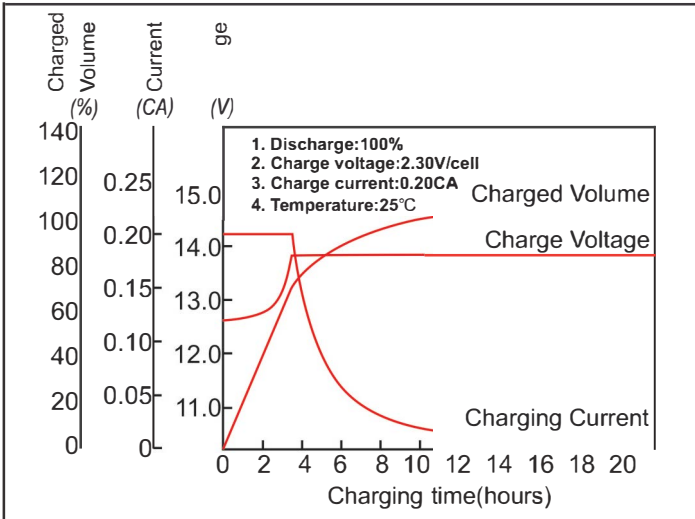


Discharge Current 25°C

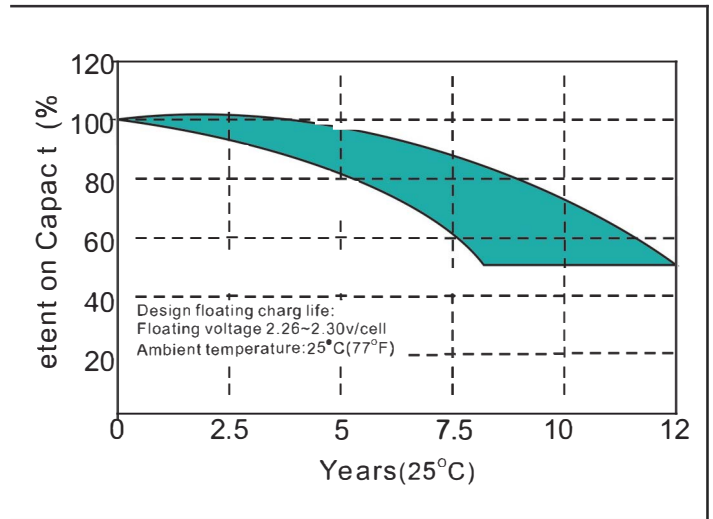


★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

Constant voltage charging characteristics



Float Life



Constant Current Discharge Characteristics(A,25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|-----|-----|-----|
| 9.60V | 197.2 | 137.6 | 105.8 | 64.4 | 39.4 | 22.8 | 16.3 | 11.3 | 7.6 | 6.4 | 3.4 |
| 10.2V | 187.6 | 130.8 | 102.0 | 61.9 | 37.9 | 22.5 | 16.1 | 11.1 | 7.5 | 6.3 | 3.3 |
| 10.5V | 182.8 | 127.0 | 99.1 | 60.6 | 37.0 | 22.3 | 15.9 | 11.0 | 7.5 | 6.3 | 3.3 |
| 10.8V | 176.0 | 123.1 | 96.2 | 58.8 | 36.0 | 22.0 | 15.8 | 10.9 | 7.4 | 6.2 | 3.2 |

Constant Power Discharge Characteristic(Watt,25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|--------|--------|--------|-------|-------|-------|-------|-------|------|------|------|
| 9.60V | 2071.0 | 1485.2 | 1162.0 | 723.4 | 449.2 | 263.6 | 188.5 | 132.7 | 90.3 | 76.4 | 40.8 |
| 10.2V | 1967.1 | 1411.1 | 1114.9 | 694.5 | 431.9 | 259.7 | 186.6 | 130.8 | 89.6 | 75.8 | 40.4 |
| 10.5V | 1919.0 | 1370.7 | 1087.0 | 679.1 | 421.3 | 257.8 | 184.7 | 129.9 | 89.1 | 74.9 | 39.9 |
| 10.8V | 1848.8 | 1326.5 | 1060.0 | 659.9 | 409.8 | 254.9 | 183.7 | 128.9 | 88.2 | 74.6 | 39.5 |

Capacity Factors With Different Temperature

| Battery Type | | -20°C | -10°C | 0°C | 5°C | 10°C | 20°C | 25°C | 30°C | 40°C | 45°C |
|--------------|-----|-------|-------|-----|-----|------|------|------|------|------|------|
| Battery | 12V | 50% | 70% | 83% | 85% | 90% | 98% | 100% | 102% | 104% | 105% |

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.