

VRLA AGM SEALED Battery

SE26-12

S.E Green SE series AGM batteries are designed to have a large amount of stored current discharged between charging sessions, with very heavy non-porous battery plates to withstand repeated major discharging and charging cycle. The S.E Green VRLA AGM battery uses a different chemistry for the plates active paste material, and a slightly stronger electrolyte than normal battery electrolyte, thus the SE range features higher cyclic life with 10 years of float life when compared to the standard Duration range.

12V
Voltage

26Ah
Capacity

AGM
Technology

VRLA
Battery



COMPLIED STANDARDS



GENERAL FEATURES

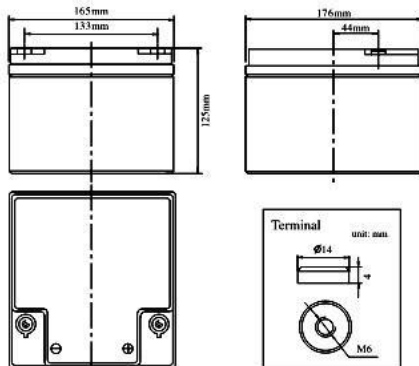
- 30% more cyclic life through innovation at the PAM additives
- Long life expectancy of 10 years in floating condition
- Thick flat plate with high Tin low Calcium alloy
- Excellent deep discharge recovery capability
- Deep cycle performance: up to 700 cycles @ 50% DOD

APPLICATIONS

- Telecom Control Equipments
- UPS systems, Inverter
- Power Equipments
- Standby backup
- Emergency Power Systems

DIMENSIONS & WEIGHT

| | |
|-----------------------|----------|
| Length(mm/inch) | 165/6.5 |
| Width(mm/inch) | 176/6.93 |
| Height(mm/inch) | 125/4.92 |
| Total Height(mm/inch) | 125/4.92 |
| Weight(kg/lbs)(±3%) | 8.3/18.3 |



TECHNICAL SPECIFICATIONS

| | | |
|---|----------------------------|---|
| Nominal Voltage | | 12V(6 cells per unit) |
| Design Floating Life @25°C | | 8 Years |
| Nominal Capacity @25°C (10 hour rate @2.60A, 10.8V) | | 26Ah |
| Capacity @25°C | 20hour rate (1.44A, 10.8V) | 28.8Ah |
| | 5 hour rate (4.8A, 10.5V) | 24.0Ah |
| | 1 hour rate (14.3A, 9.6V) | 14.3Ah |
| Internal Resistance | Full Charged Battery @25°C | ≤13.0mΩ |
| Ambient Temperature | Discharge | -15°C~45°C |
| | Charge | -15°C~45°C |
| | Storage | -15°C~45°C |
| Max.Discharge Current@25°C | | 156A (5s) |
| Capacity affected by Temperature (10 hour) | 40°C | 105% |
| | 25°C | 100% |
| | 0°C | 85% |
| | -15°C | 65% |
| Self-Discharge @25°C per Month | | 3% |
| Charge (Constant Voltage) @25°C | Standby Use | Initial Charging Current Less than 6.5A Voltage 13.6-13.8V |
| | Cycle Use | Initial Charging Current Less than 6.5A Voltage 14.4-14.9V |

BATTERY DISCHARGE TABEL

Discharge Constant Current per Cell (Amperes at 25°C)

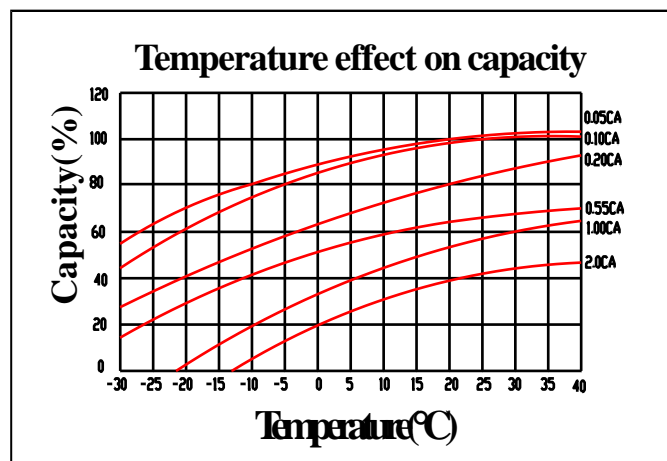
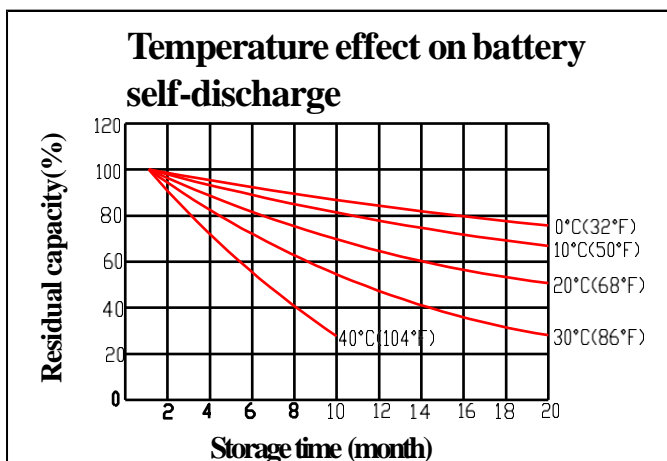
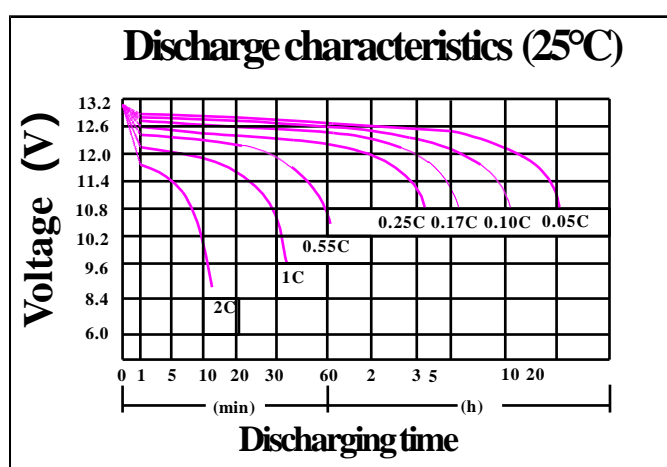
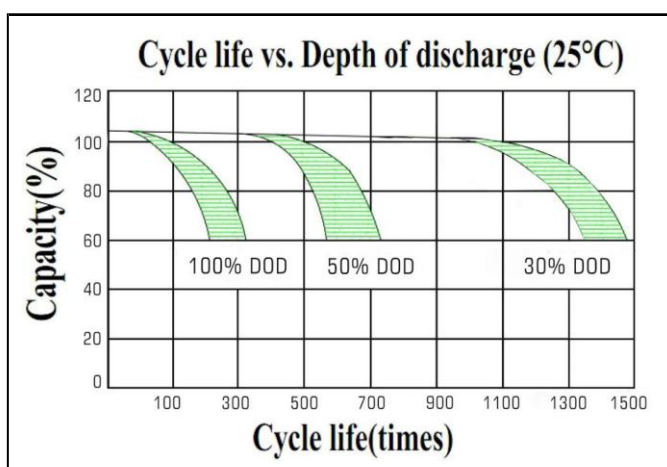
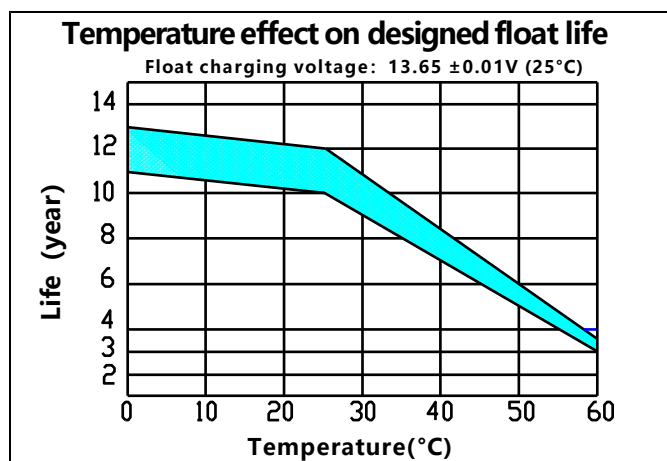
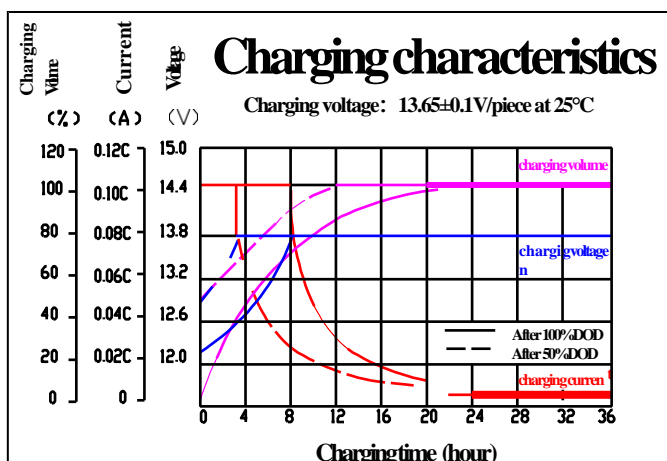
| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|------|------|-----|-----|-----|------|------|
| 1.60V | 43.9 | 27.3 | 19.6 | 17.3 | 10.5 | 7.7 | 5.0 | 3.0 | 2.70 | 1.50 |
| 1.65V | 42.1 | 26.6 | 19.1 | 16.8 | 10.3 | 7.6 | 4.9 | 3.0 | 2.68 | 1.49 |
| 1.70V | 40.2 | 25.9 | 18.5 | 16.4 | 10.2 | 7.4 | 4.8 | 3.0 | 2.65 | 1.47 |
| 1.75V | 38.4 | 25.1 | 18.0 | 15.9 | 9.9 | 7.2 | 4.8 | 2.9 | 2.63 | 1.46 |
| 1.80V | 36.6 | 24.4 | 17.5 | 15.4 | 9.7 | 7.1 | 4.7 | 2.9 | 2.60 | 1.44 |

Discharge Constant Power per Cell (Watts at 25°C)

| F.V/Time | 15min | 30min | 45min | 1h | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|------|------|------|-----|-----|-----|-----|
| 1.60V | 81.9 | 50.9 | 36.5 | 32.3 | 19.7 | 14.4 | 9.3 | 5.6 | 5.0 | 2.8 |
| 1.65V | 78.5 | 49.6 | 35.6 | 31.4 | 19.3 | 14.1 | 9.1 | 5.6 | 5.0 | 2.8 |
| 1.70V | 75.0 | 48.2 | 34.6 | 30.5 | 18.9 | 13.8 | 9.0 | 5.5 | 4.9 | 2.7 |
| 1.75V | 71.6 | 46.8 | 33.6 | 29.7 | 18.5 | 13.5 | 8.9 | 5.5 | 4.9 | 2.7 |
| 1.80V | 68.2 | 45.5 | 32.6 | 28.8 | 18.0 | 13.2 | 8.7 | 5.4 | 4.8 | 2.7 |

Note: The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice.

PERFORMANCE CHARACTERISTICS



BATTERY CONSTRUCTION

| Component | Positive plate | Negative plate | Container & Cover | Safety valve | Terminal | Separator | Electrolyte | Pillar seal |
|-----------|--|---|-------------------------------|--------------------------------------|-------------------------|--|----------------------------------|-----------------------------|
| Features | Thick high Sn low Ca grid with special paste | Balanced Pb-Ca grid for improved recombination efficiency | Fire resistance ABS (UL94-V0) | Flame Si-Rubber and aging resistance | Female Copper Insert M6 | Advanced AGM separator for high pressure cell design | Dilute high purity sulfuric acid | Two layers epoxy resin seal |