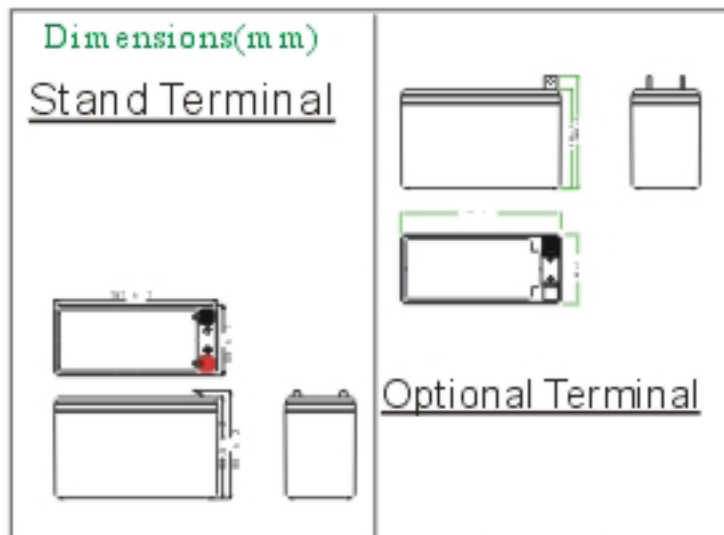


Maintenance-Free Rechargeable Sealed Lead-Acid Battery

12V 9AH - SB-2487

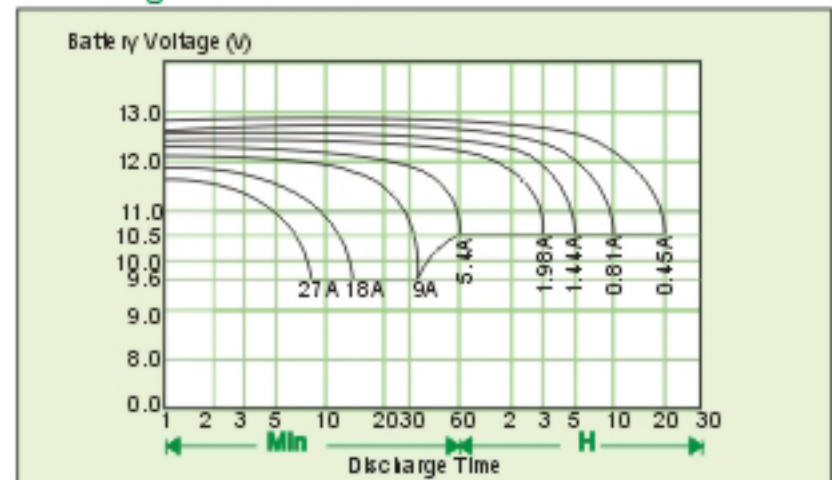
Specification



| | | |
|------------------------|-----------------------------|--------------|
| Nominal voltage | | 12V |
| Rated Capacity (20 HR) | | 9AH |
| Approx Weight | | 2.55kg |
| Terminal | Standard | F 2-TAB 250A |
| | Optional | B2-M 5 |
| Operation Temperature | | |
| Charge | 0°C (32°F) ~ 40°C (104°F) | |
| Discharge | -20°C (-4°F) ~ 50°C (122°F) | |
| Storage | -20°C (-4°F) ~ 40°C (104°F) | |

| | | |
|---|-------------------------|--|
| Capacity 25°C (77°F) | 20 hour rate (0.45A) | 9AH |
| | 10 hour rate (0.81A) | 8.1AH |
| | 5 hour rate (1.44A) | 7.2AH |
| | 1 hour rate (5.4A) | 5.4AH |
| Capacity affected by temperature | 40°C (104°F) | 103% |
| | 25°C (77°F) | 100% |
| | 0°C (32°F) | 86% |
| | -15°C (5°F) | 65% |
| Self-discharge at 25°C (77°F) (Before recharge) | Capacity after 3 month | 91% |
| | Capacity after 6 month | 82% |
| | Capacity after 12 month | 64% |
| Constant voltage charge | Cycle | Initial Charging Current ≤ 2.7A 14.4V ~ 15 at 25°C (77°F) |
| | Standby | 13.5V ~ 13.8V at 25°C (77°F) |
| Max discharge current for 5 se | | 135A |

Discharge characteristic



Note: Discharge shall be cut-off at 10.5V if discharge at $<1C_x$ and at 9.6V if at $\geq 1C_x$.

It is recommended to recharge battery by constant-voltage charge immediately after use

Constant current (Amp) and Constant Power (Watt) Discharge Table at 25°C (77°F)

| Final voltage | Time (min) | | | | | | | | | | |
|---------------|------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| | | 5 | 10 | 15 | 20 | 30 | 60 | 120 | 180 | 300 | 600 |
| 1.80VPC | A | 37.14 | 22.95 | 16.86 | 14.00 | 9.38 | 5.57 | 3.33 | 2.33 | 1.48 | 0.90 |
| | W | 390.00 | 241.00 | 177.00 | 147.00 | 98.50 | 58.50 | 35.00 | 24.50 | 15.50 | 9.50 |
| 1.75VPC | A | 37.50 | 23.30 | 17.14 | 14.33 | 9.67 | 5.86 | 3.50 | 2.55 | 1.67 | 0.93 |
| | W | 394.00 | 245.50 | 180.50 | 150.50 | 101.50 | 61.50 | 36.80 | 26.80 | 17.60 | 9.80 |
| 1.70VPC | A | 37.71 | 23.52 | 17.33 | 14.48 | 9.81 | 6.00 | 3.60 | 2.62 | 1.71 | 0.95 |
| | W | 396.00 | 247.00 | 182.00 | 152.00 | 103.00 | 63.00 | 37.80 | 27.50 | 18.00 | 10.00 |
| 1.65VPC | A | 37.90 | 23.71 | 17.52 | 14.67 | 10.00 | 6.19 | 3.64 | 2.65 | 1.74 | 0.97 |
| | W | 398.00 | 249.00 | 184.00 | 154.00 | 105.00 | 65.00 | 38.20 | 27.80 | 18.30 | 10.20 |
| 1.60VPC | A | 38.09 | 23.80 | 17.62 | 14.76 | 10.10 | 6.29 | 3.67 | 2.68 | 1.59 | 0.99 |
| | W | 400.00 | 250.00 | 185.00 | 155.00 | 106.00 | 66.00 | 38.50 | 28.10 | 1.76 | 10.40 |