

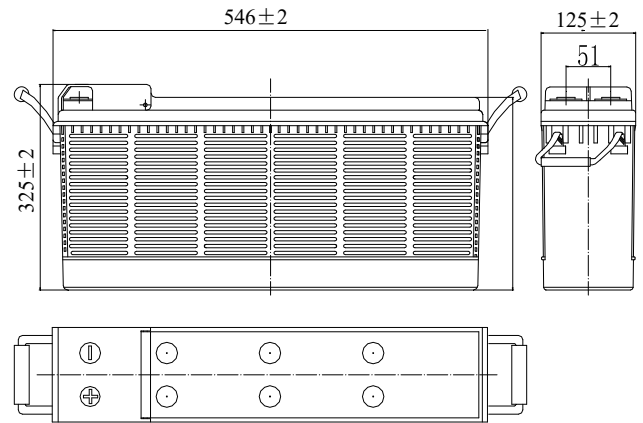
Specification

| | | |
|---|--|------------------------|
| Nominal voltage | 12V | |
| Capacity (20°C) | 10HR(10.8V) | 170Ah |
| | 5HR(10.5V) | 147Ah |
| | 1HR(9.6V) | 102Ah |
| Dimension | Length | 546±2mm |
| | Width | 125±2mm |
| | Height | 325±2mm |
| | Total height | 325±2mm |
| Approx. weight | 50.4kg | |
| Internal resistance (Fully charged,20°C) | Approx. 4.0mΩ | |
| Capacity affected by temperature(10HR) | 40°C | 105% |
| | 25°C | 100% |
| | 0°C | 90% |
| | -15°C | 65% |
| Self-discharge(20°C) | 3 months | Remaining capacity 91% |
| | 6 months | Remaining capacity 82% |
| | 12 months | Remaining capacity 65% |
| Nominal operating temperature | 25±3°C | |
| Operating temperature range | Discharge | -15°C~50°C |
| | Charge | -10°C~50°C |
| | Storage | -20°C~50°C |
| Float charge voltage(20°C) | 13.5V to 13.8V temperature compensation: -18mV/°C | |
| Cycle charge voltage(20°C) | 14.3V to 14.9V temperature compensation: -30mV/°C | |
| Maximum charge current | 51A | |
| Number of cycles(100%DOD) | 250 | |
| Maximum discharge current | 1360A(5s) | |
| Short circuit current | 2040A(1830-2250A) | |
| Designed floating life(20°C) | 15 years | |

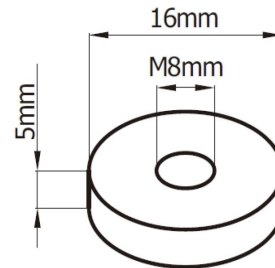
Feature: Absorbent Glass Mat technology
Impact resistant ABS container
Battery recognized by CE
Sealed and Maintenance-free Operation



Dimension:



Terminal: F12 terminal



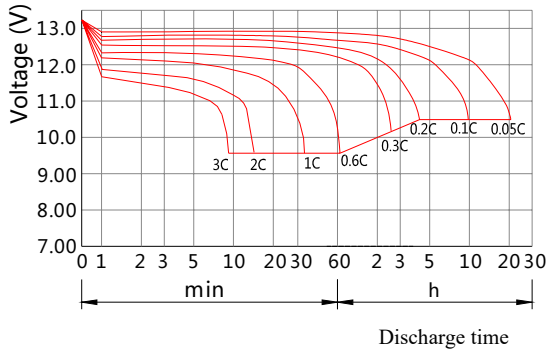
Constant Current discharge characteristics(A,20°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 1.60V/cell | 486 | 342 | 280 | 165 | 102 | 62.3 | 43.3 | 35.6 | 30.1 | 26.2 | 21.0 | 17.3 | 8.82 |
| 1.65V/cell | 433 | 312 | 269 | 163 | 100 | 61.2 | 43.1 | 35.5 | 29.9 | 26.1 | 20.9 | 17.3 | 8.80 |
| 1.70V/cell | 385 | 286 | 260 | 158 | 97.0 | 61.0 | 42.7 | 35.3 | 29.7 | 25.9 | 20.8 | 17.2 | 8.77 |
| 1.75V/cell | 342 | 260 | 248 | 154 | 96.0 | 60.5 | 42.3 | 35.1 | 29.5 | 25.6 | 20.6 | 17.1 | 8.72 |
| 1.80V/cell | 305 | 308 | 227 | 148 | 93.0 | 59.2 | 41.4 | 34.1 | 28.6 | 26.7 | 20.0 | 17.0 | 8.65 |

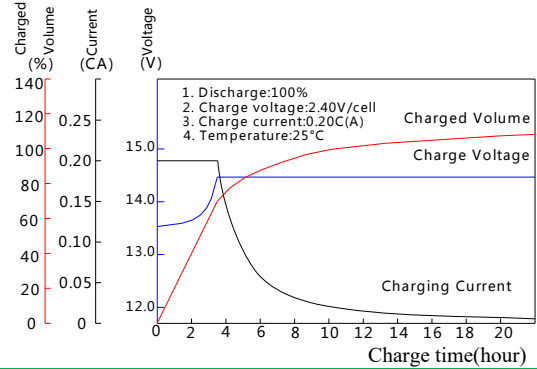
Constant Power discharge characteristics(W,20°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 4h | 5h | 6h | 8h | 10h | 20h |
|------------|------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|
| 1.60V/cell | 856 | 612 | 503 | 311 | 201 | 119 | 85.18 | 69.66 | 59.83 | 52.32 | 41.67 | 34.50 | 17.57 |
| 1.65V/cell | 803 | 570 | 491 | 305 | 197 | 118 | 84.50 | 69.35 | 59.50 | 52.00 | 41.00 | 34.35 | 17.57 |
| 1.70V/cell | 742 | 523 | 472 | 295 | 192 | 117 | 83.83 | 68.84 | 59.00 | 51.66 | 40.65 | 34.35 | 17.34 |
| 1.75V/cell | 624 | 491 | 456 | 288 | 188 | 116 | 83.33 | 68.32 | 58.66 | 51.16 | 40.33 | 34.00 | 17.34 |
| 1.80V/cell | 555 | 450 | 422 | 277 | 182 | 113 | 80.95 | 66.44 | 56.83 | 49.66 | 39.20 | 33.82 | 17.18 |

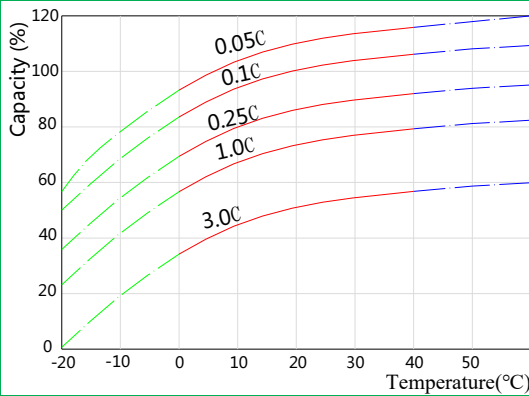
Discharge Characteristics(20°C)



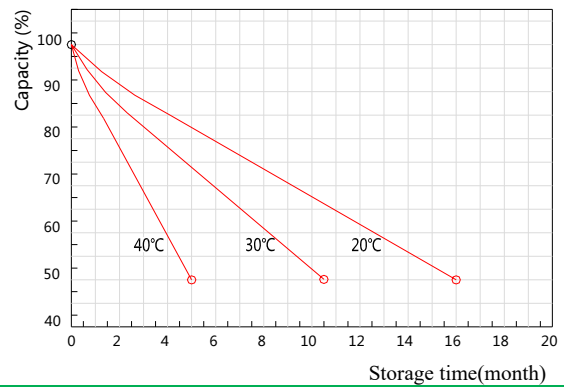
Charging Characteristics(20°C)



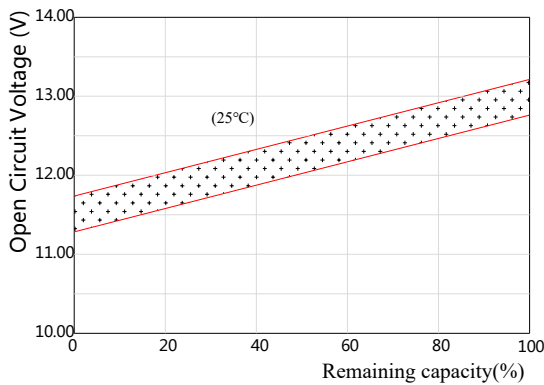
Effect of Temperature on Capacity



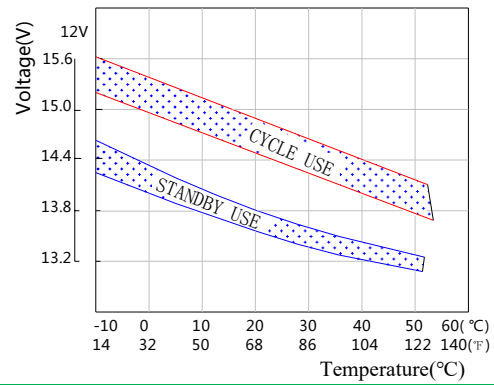
Self-discharge Characteristics



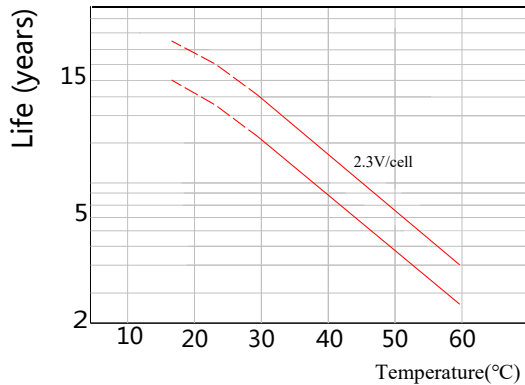
The Relationship of Open Circuit Voltage and Remaining Capacity (20°C)



The Relationship of Charge Voltage and Temperature



Floating Life on Temperature



Cycle Life on D.O.D(20°C)

