

## Constant Current Discharge (Amperes) at 25°C (77°F)

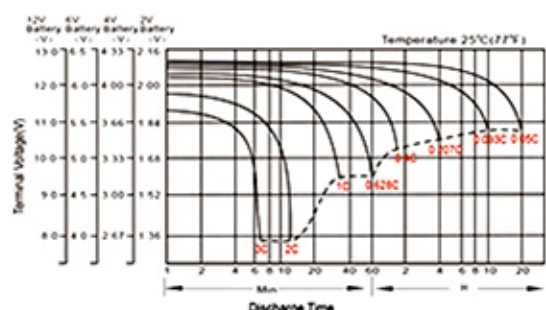
| F.V/Time   | 5min  | 10min | 15min | 20min | 30min | 45min | 1h   | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 136.9 | 107.6 | 91.5  | 76.6  | 60.9  | 46.1  | 37.7 | 24.0 | 19.0 | 15.5 | 12.5 | 10.9 | 8.84 | 7.55 | 4.12 |
| 1.80V/cell | 183.8 | 137.5 | 110.6 | 90.5  | 71.8  | 53.6  | 42.2 | 26.2 | 20.4 | 16.6 | 13.4 | 11.7 | 9.38 | 8.00 | 4.16 |
| 1.75V/cell | 207.2 | 151.1 | 120.8 | 97.4  | 74.6  | 55.6  | 44.2 | 27.2 | 20.8 | 16.9 | 13.8 | 12.0 | 9.54 | 8.08 | 4.20 |
| 1.70V/cell | 228.2 | 164.7 | 129.0 | 102.3 | 77.6  | 57.8  | 45.6 | 28.3 | 21.4 | 17.4 | 14.1 | 12.2 | 9.67 | 8.16 | 4.28 |
| 1.65V/cell | 251.6 | 177.8 | 137.2 | 108.7 | 81.9  | 59.3  | 47.1 | 29.1 | 22.3 | 18.0 | 14.5 | 12.5 | 9.82 | 8.33 | 4.34 |
| 1.60V/cell | 277.5 | 193.0 | 146.7 | 115.8 | 86.4  | 61.8  | 48.8 | 30.0 | 23.0 | 18.5 | 15.0 | 12.8 | 9.92 | 8.42 | 4.36 |

## Constant Power Discharge (Watts) at 25°C (77°F)

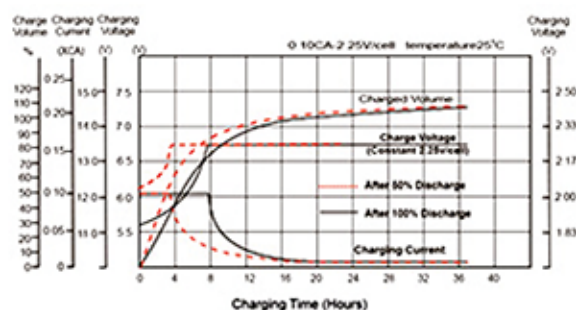
| F.V/Time   | 5min  | 10min | 15min | 20min | 30min | 45min | 1h   | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|------------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1.85V/cell | 250.3 | 198.8 | 170.8 | 144.3 | 116.0 | 88.5  | 72.7 | 46.7 | 37.0 | 30.3 | 24.5 | 21.4 | 17.4 | 14.9 | 8.16 |
| 1.80V/cell | 332.5 | 251.1 | 203.6 | 168.1 | 134.8 | 102.2 | 81.1 | 50.6 | 39.6 | 32.2 | 26.2 | 22.9 | 18.5 | 15.8 | 8.23 |
| 1.75V/cell | 366.9 | 271.5 | 219.7 | 179.1 | 138.8 | 105.0 | 84.4 | 52.3 | 40.2 | 32.8 | 26.8 | 23.4 | 18.7 | 15.9 | 8.30 |
| 1.70V/cell | 392.8 | 289.2 | 231.3 | 186.8 | 143.6 | 108.8 | 86.8 | 54.2 | 41.2 | 33.6 | 27.4 | 23.9 | 19.0 | 16.1 | 8.45 |
| 1.65V/cell | 427.0 | 309.2 | 244.0 | 197.0 | 150.3 | 110.5 | 89.1 | 55.4 | 42.8 | 34.7 | 28.1 | 24.3 | 19.2 | 16.4 | 8.55 |
| 1.60V/cell | 460.1 | 328.1 | 256.7 | 207.5 | 157.5 | 114.6 | 91.7 | 57.0 | 43.9 | 35.6 | 28.9 | 24.8 | 19.4 | 16.5 | 8.58 |

## Diagrams

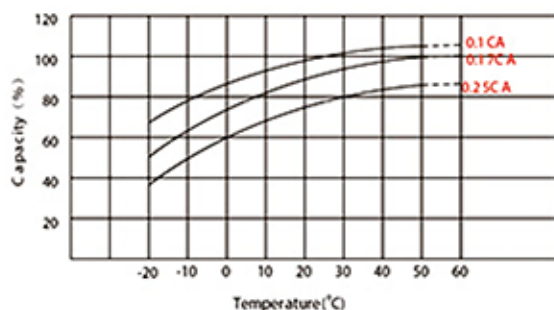
### Discharge Characteristics



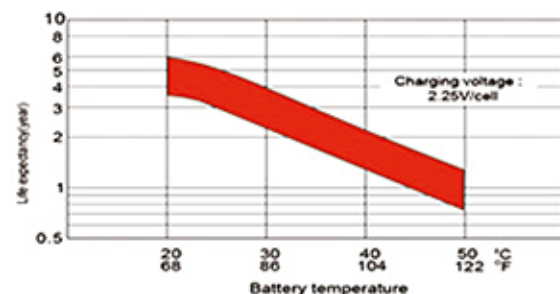
### Float Charging Characteristics



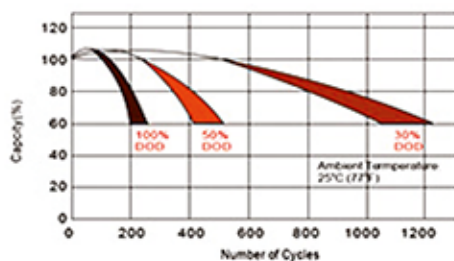
### Temperature Effects in Relation to Battery Capacity



### Effect of Temperature on Long Term Float Life

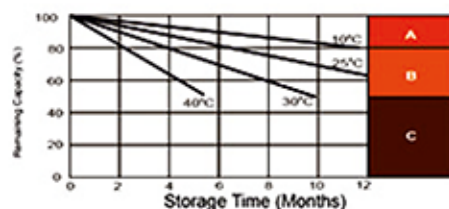


### Cycle Life in Relation to Depth of Discharge



Testing condition  
Discharging current 0.17C (FV 1.7V/cell);  
Charging current 0.25C max, voltage 2.45V/cell;  
Charging volume: 125% of discharged capacity

### Self Discharge Characteristics



- A** No supplementary required  
(Carry out supplementary charge before use if 100% capacity is required)
- B** Supplementary charge required before use. Optional charging way as below:  
1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell  
2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.25V/cell  
3. Charged for 8 - 10 hours at limited current 0.05 CA
- C** Supplementary charge may often fail to recover the capacity  
The battery should never be left standing till this is reached