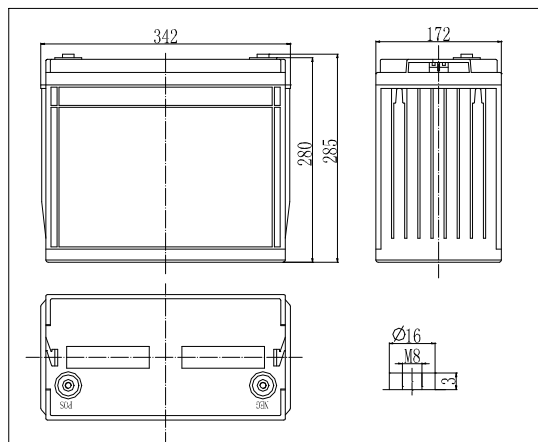


# 12ET140L

## (12V 140Ah Battery)

Floating Life at 20°C designed for 12+ years

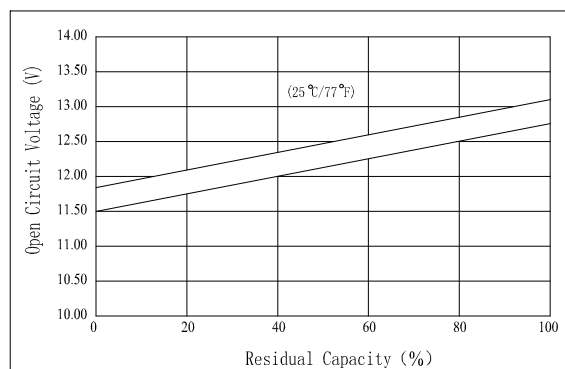
### Dimensions



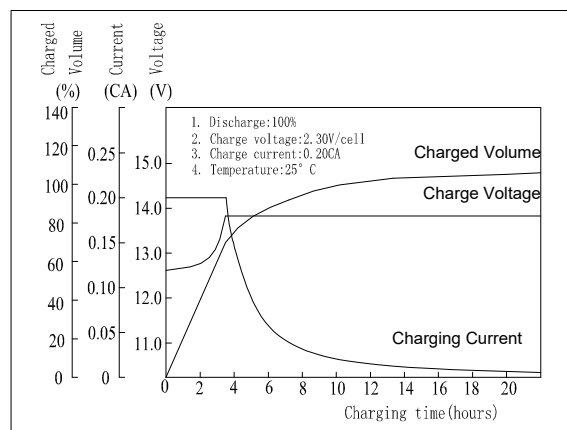
### Specifications

|                                           |              |                            |
|-------------------------------------------|--------------|----------------------------|
| Nominal Voltage                           |              | 12V                        |
| Capacity (20hr@25°C@1.8V/C)               |              | 140Ah                      |
| Dimensions                                | Length       | 342mm (13.46inch)          |
|                                           | Width        | 172mm (6.77inch)           |
|                                           | Height       | 280mm (11.02inch)          |
|                                           | Total Height | 285mm (11.22inch)          |
| Approx. Weight                            |              | 43kg (94.8lbs)             |
| Maximum charging current                  |              | 40A                        |
| Maximum discharge current                 |              | 1050A (5sec.)              |
| Internal resistance (Fully charged, 25°C) |              | Approx. 3.8mΩ              |
| Capacity affected by temperature (10hr)   | 40°C         | 102%                       |
|                                           | 25°C         | 100%                       |
|                                           | 0°C          | 85%                        |
|                                           | -15°C        | 65%                        |
| Self-discharge (25°C)                     | 3 month      | Remaining Capacity: 91%    |
|                                           | 6 month      | Remaining Capacity: 82%    |
|                                           | 12 month     | Remaining Capacity: 65%    |
| Nominal operating temperature             |              | 25°C ±3°C (77°F±5°F)       |
| Operating temperature range               |              | -15°C ~ 50°C (5°F ~ 122°F) |
| Float charging voltage (25°C)             |              | 13.65 to 13.80V            |
| Cyclic charging voltage (25°C)            |              | 14.50 to 14.90V            |
| Terminal material                         |              | Copper                     |

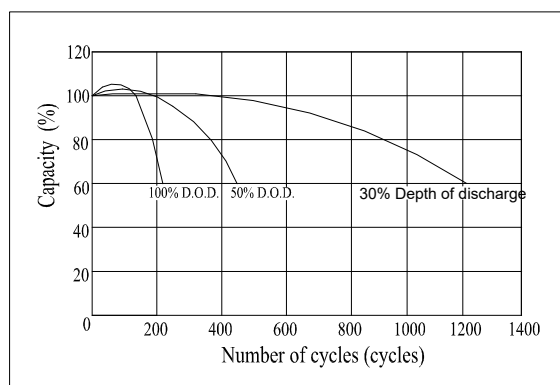
### The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



### Charging Characteristics (25°C)



### Cycle Life (25°C)



### Constant Current Discharge Characteristics (Ampere / Battery, 25°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 1h   | 3h   | 5h   | 10h  | 20h  |
|----------|------|-------|-------|-------|------|------|------|------|------|
| 9.60V    | 430  | 290   | 230   | 144   | 87,0 | 34,0 | 24,6 | 13,6 | 7,11 |
| 10.2V    | 409  | 276   | 221   | 138   | 83,5 | 33,5 | 24,2 | 13,5 | 7,04 |
| 10.8V    | 384  | 259   | 210   | 131   | 79,3 | 32,8 | 23,7 | 13,4 | 7,00 |

### Constant Power Discharge Characteristics (Watt / Battery, 25°C)

| F.V/TIME | 5min | 10min | 15min | 30min | 1h  | 3h  | 5h  | 10h | 20h  |
|----------|------|-------|-------|-------|-----|-----|-----|-----|------|
| 9.60V    | 4515 | 3132  | 2525  | 1616  | 992 | 400 | 290 | 162 | 85,0 |
| 10.2V    | 4289 | 2975  | 2424  | 1551  | 952 | 394 | 286 | 161 | 84,5 |
| 10.8V    | 4032 | 2797  | 2303  | 1474  | 905 | 386 | 280 | 161 | 84,0 |