

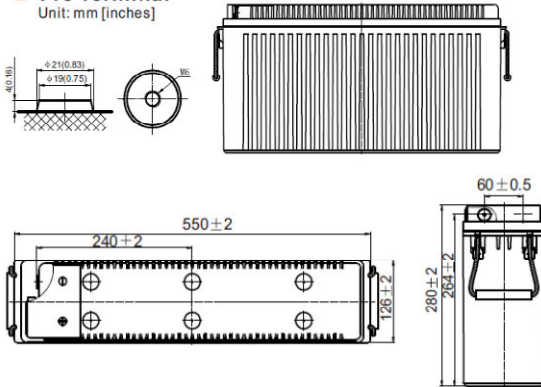
# RPower OGiV121800FT (12V 180Ah Front Terminal)

Floating Life at 20°C designed for 10-12 years

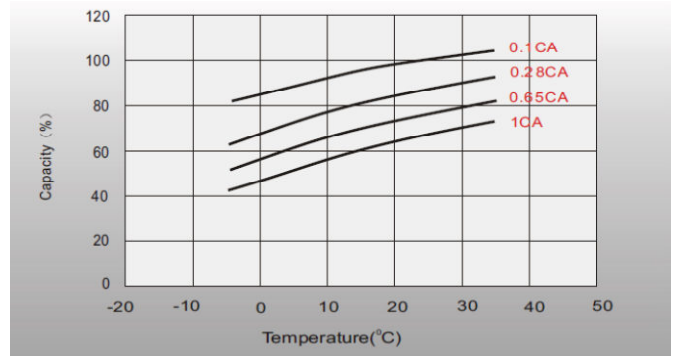
EAN: 4260349823043

## Dimensions

**T13 Terminal**  
Unit: mm [inches]



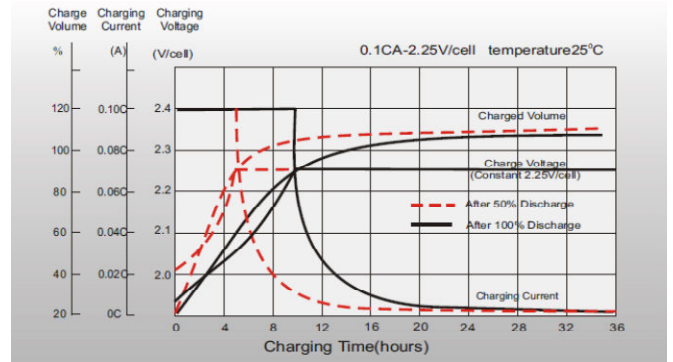
## Temperature Effects in Relation to Battery Capacity



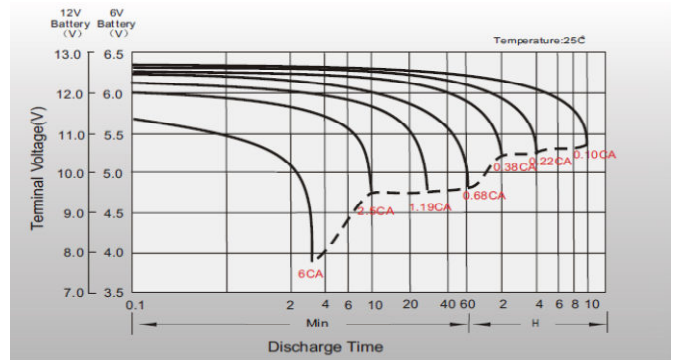
## Specifications

|   |              |                             |
|---|--------------|-----------------------------|
| Nominal Voltage                         |              | 12V                         |
| Capacity (20hr@25°C@1.80V/C)            |              | 180Ah                       |
| Dimensions                              | Length       | 560mm (22.1inch)            |
|   | Width        | 126mm (4.96inch)            |
|   | Height       | 280mm (11.02inch)           |
|   | Total Height | 280mm (11.02inch)           |
| Approx. Weight                          |              | 54.0kg (119.1lbs)           |
| Maximum charging current                |              | 54.0A                       |
| Maximum discharge current               |              | 1360A (5sec.)               |
| Internal resistance                     |              | Approx. 2.9mΩ               |
| Capacity affected by temperature (20hr) | 40°C         | 103%                        |
|   | 25°C         | 100%                        |
|   | 0°C          | 86%                         |
|   | -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             |              | -20°C ~ 55°C (-4°F ~ 131°F) |
| Float charging voltage (25°C)           |              | 13.65 to 13.80V             |
| Cyclic charging voltage (25°C)          |              | 14.40 to 15.00V             |
| Terminal material                       |              | Copper                      |

## Float Charging Characteristics



## Discharge Characteristics



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

| F.V/ TIME | 10min | 15min | 20min | 30min | 45min | 1h    | 2h   | 3h   | 4h   | 5h   | 6h   | 8h   | 10h  | 20h  |
|-----------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 11.1V     | 245,8 | 216,2 | 193,8 | 158,8 | 122,4 | 98,9  | 57,7 | 42,2 | 33,8 | 28,4 | 24,6 | 19,5 | 16,3 | 8,61 |
| 10.8V     | 285,6 | 249,6 | 216,2 | 170,7 | 129,4 | 103,5 | 59,8 | 43,7 | 34,9 | 29,2 | 25,2 | 20,2 | 17,0 | 9,00 |
| 10.5V     | 315,2 | 268,6 | 230,5 | 177,5 | 133,5 | 106,6 | 61,1 | 44,4 | 35,3 | 29,6 | 25,6 | 20,5 | 17,2 | 9,09 |
| 10.2V     | 335,6 | 281,5 | 239,7 | 183,6 | 136,0 | 108,3 | 62,0 | 45,0 | 35,8 | 29,9 | 25,9 | 20,8 | 17,4 | 9,15 |
| 9.90V     | 350,9 | 291,0 | 244,8 | 187,3 | 138,9 | 110,5 | 62,8 | 45,4 | 36,2 | 30,3 | 26,2 | 21,0 | 17,5 | 9,20 |
| 9.60V     | 366,2 | 299,2 | 251,9 | 191,1 | 141,0 | 112,2 | 63,6 | 46,0 | 36,5 | 30,6 | 26,4 | 21,2 | 17,7 | 9,25 |

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

| F.V/ TIME | 10min  | 15min  | 20min  | 30min  | 45min  | 1h     | 2h    | 3h    | 4h    | 5h    | 6h    | 8h    | 10h   | 20h   |
|-----------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 11.1V     | 2754,0 | 2446,8 | 2215,2 | 1834,8 | 1426,2 | 1156,8 | 679,2 | 498,6 | 400,8 | 337,2 | 292,8 | 233,4 | 195,0 | 103,2 |
| 10.8V     | 3162,6 | 2786,4 | 2435,4 | 1942,2 | 1496,4 | 1204,2 | 699,0 | 513,6 | 411,0 | 345,6 | 299,4 | 241,2 | 203,4 | 108,0 |
| 10.5V     | 3434,4 | 2962,8 | 2572,2 | 2003,4 | 1529,4 | 1234,2 | 712,2 | 520,2 | 415,2 | 348,6 | 303,0 | 244,2 | 205,8 | 108,6 |
| 10.2V     | 3574,8 | 3062,4 | 2654,4 | 2061,0 | 1552,2 | 1249,8 | 720,6 | 526,2 | 420,0 | 351,0 | 306,0 | 246,6 | 207,6 | 109,2 |
| 9.90V     | 3723,6 | 3153,0 | 2700,0 | 2098,8 | 1580,4 | 1272,0 | 729,0 | 529,8 | 423,6 | 355,2 | 308,4 | 249,0 | 209,4 | 109,8 |
| 9.60V     | 3778,8 | 3177,0 | 2739,6 | 2113,2 | 1586,4 | 1279,2 | 731,4 | 532,2 | 425,4 | 357,0 | 310,2 | 250,8 | 210,6 | 110,4 |