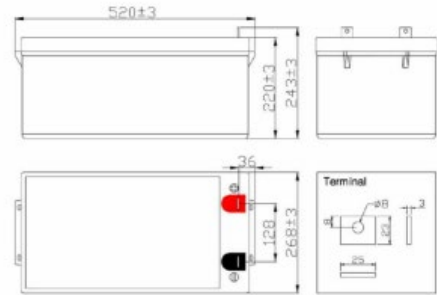


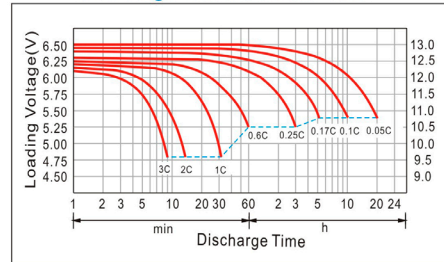
# PQC12250T9 (12V 250Ah)



Unit: mm

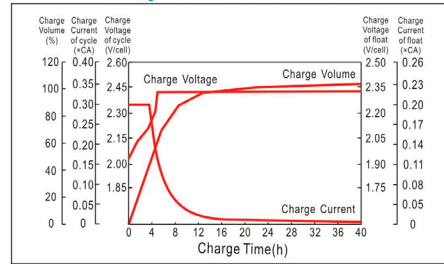
| Specifications      |              | PQC12250T9 |
|---------------------|--------------|------------|
| Nominal Voltage     |              | 12V        |
| Rated Capacity      |              | 250Ah      |
| Dimensions (mm)     | Length       | 520        |
|                     | Width        | 268        |
|                     | Height       | 220        |
|                     | Total Height | 243        |
| Approx. Weight (kg) |              | 67         |
| Terminal            |              | T9         |

Discharge Characteristics Curve

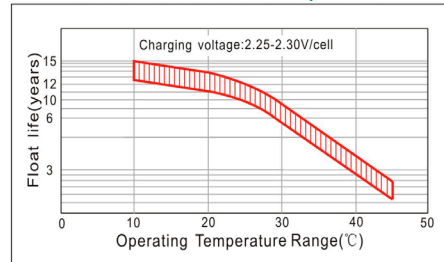


| Characteristics                            |                       |   |
|--|-----------------------|---|
| Capacity 25°C                              | 20HR (13.63A)         | 272.6Ah                                     |
|  | 10HR (25.50A)         | 255.0Ah                                     |
|  | 5HR (43.75A)          | 218.0Ah                                     |
|  | 1HR (158.3A)          | 158.3Ah                                     |
| Impedance                                  | Fully charged battery | Approx.                                     |
|  | 25°C                  | 3mΩ   |
| Temperature dependence of capacity (20HR)  | 40°C                  | 102%  |
|  | 25°C                  | 100%  |
|  | 0°C                   | 85%   |
|  | -15°C                 | 65%   |
| Self-discharge (20°C) (remaining capacity) | 3 months              | 90%   |
|  | 6 months              | 80%   |
|  | 12 months             | 60%   |
| Max. discharge current (25°C)              |                       | 2000A (5s)                                  |
| Expected cycle life (@ DOD 80%)            |                       | 450   |
| Constant voltage charge (25°C)             | Cycle                 | 14.5~14.9V(-24mV/°C)<br>max. current: 2000A |
|  | Float                 | 13.6~13.8V(-18mV/°C)                        |

Charge Characteristics Curve



Float Service Life VS Temperature



| Constant Current Discharge Characteristics (A), (25°C) |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FV/TIME  | 5min  | 10min | 15min | 30min | 60min | 2H    | 3H    | 5H    | 8H    | 10H   | 20H   |
| 1.60V/cell   | 850.0 | 566.3 | 453.5 | 281.3 | 162.5 | 97.13 | 69.00 | 46.20 | 31.05 | 26.50 | 14.50 |
| 1.70V/cell   | 762.5 | 521.3 | 431.3 | 273.8 | 160.3 | 95.88 | 67.75 | 45.10 | 30.55 | 26.13 | 14.13 |
| 1.75V/cell   | 687.5 | 481.3 | 411.3 | 266.3 | 158.3 | 94.63 | 67.00 | 44.43 | 30.25 | 25.88 | 13.88 |
| 1.80V/cell   | 612.5 | 438.8 | 386.3 | 256.0 | 155.0 | 93.33 | 66.25 | 43.75 | 29.80 | 25.50 | 13.63 |

| Constant Wattage Discharge Characteristics (W), (25°C) |        |        |       |       |       |       |       |       |       |       |       |
|--|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FV/TIME  | 5min   | 10min  | 15min | 30min | 60min | 2H    | 3H    | 5H    | 8H    | 10H   | 20H   |
| 1.60V/cell   | 1466.3 | 1009.8 | 823.9 | 525.0 | 311.5 | 189.4 | 136.9 | 91.86 | 61.79 | 52.78 | 28.98 |
| 1.70V/cell   | 1347.1 | 946.9  | 794.2 | 515.6 | 308.5 | 187.8 | 134.7 | 89.90 | 60.95 | 52.16 | 28.25 |
| 1.75V/cell   | 1231.8 | 886.3  | 764.2 | 505.9 | 306.0 | 186.1 | 133.6 | 88.78 | 60.50 | 51.75 | 27.75 |
| 1.80V/cell   | 1112.7 | 819.0  | 724.2 | 490.7 | 301.0 | 185.1 | 132.4 | 87.50 | 59.60 | 51.00 | 27.25 |