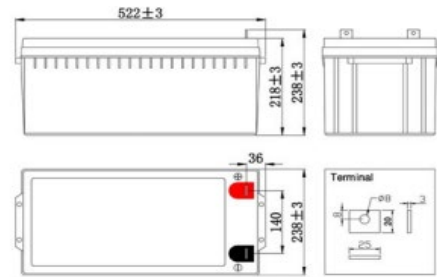


# PQC12200T9 (12V 200Ah)

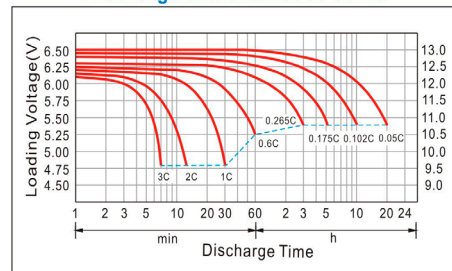


Unit: mm

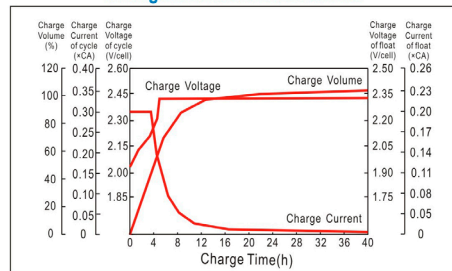
| Specifications      |              | PQC12200T9 |
|---------------------|--------------|------------|
| Nominal Voltage     |              | 12V        |
| Rated Capacity      |              | 200Ah      |
| Dimensions (mm)     | Length       | 522        |
|                     | Width        | 238        |
|                     | Height       | 218        |
|                     | Total Height | 238        |
| Approx. Weight (kg) |              | 60.5       |
| Terminal            |              | T9         |

| Characteristics                            |                       |   |
|--|-----------------------|---|
| Capacity 25°C                              | 20HR (10.90A)         | 218.0Ah                                     |
|  | 10HR (20.40A)         | 204.0Ah                                     |
|  | 5HR (35.00A)          | 175.0Ah                                     |
|  | 1HR (126.6A)          | 126.0Ah                                     |
| Impedance                                  | Fully charged battery | Approx.                                     |
|  | 25°C                  | 3.5 mΩ                                      |
| 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)              |                       | 1600A (5s)                                  |
| Expected cycle life (@ DOD 80%)            |                       | 450   |
| Constant voltage charge (25°C)             | Cycle                 | 14.5~14.9V(-24mV/°C)<br>max. current: 1600A |
|  | Float                 | 13.6~13.8V(-18mV/°C)                        |

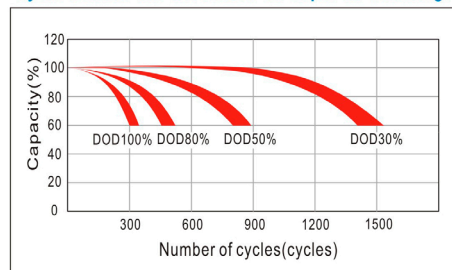
Discharge Characteristics Curve



Charge Characteristics Curve



Cycle service life in relation to depth of discharge



| Constant Current Discharge Characteristics (A), (25°C) |       |       |       |       |       |       |       |       |       |       |       |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FV/TIME  | 5min  | 10min | 15min | 30min | 60min | 2H    | 3H    | 5H    | 8H    | 10H   | 20H   |
| 1.60V/cell   | 680.0 | 453.0 | 362.8 | 225.0 | 130.0 | 77.70 | 55.20 | 36.96 | 24.84 | 21.20 | 11.60 |
| 1.70V/cell   | 610.0 | 417.0 | 345.0 | 219.0 | 128.2 | 76.70 | 54.20 | 36.08 | 24.44 | 20.90 | 11.30 |
| 1.75V/cell   | 550.0 | 385.0 | 329.0 | 213.0 | 126.6 | 75.70 | 53.60 | 35.54 | 24.20 | 20.70 | 11.10 |
| 1.80V/cell   | 490.0 | 351.0 | 309.0 | 204.8 | 124.0 | 74.66 | 53.00 | 35.00 | 23.84 | 20.40 | 10.90 |

| Constant Wattage Discharge Characteristics (W), (25°C) |        |       |       |       |       |       |       |       |       |       |       |
|--|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| FV/TIME  | 5min   | 10min | 15min | 30min | 60min | 2H    | 3H    | 5H    | 8H    | 10H   | 20H   |
| 1.60V/cell   | 1173.0 | 807.9 | 659.1 | 420.0 | 249.2 | 151.5 | 109.5 | 73.49 | 49.43 | 42.22 | 23.18 |
| 1.70V/cell   | 1077.7 | 757.6 | 635.4 | 412.5 | 246.8 | 150.2 | 107.8 | 71.92 | 48.76 | 41.73 | 22.60 |
| 1.75V/cell   | 985.4  | 709.0 | 611.4 | 404.7 | 244.8 | 148.9 | 106.8 | 71.02 | 48.40 | 41.40 | 22.20 |
| 1.80V/cell   | 890.2  | 655.2 | 579.4 | 392.5 | 240.8 | 148.1 | 105.9 | 70.00 | 47.68 | 40.80 | 21.80 |