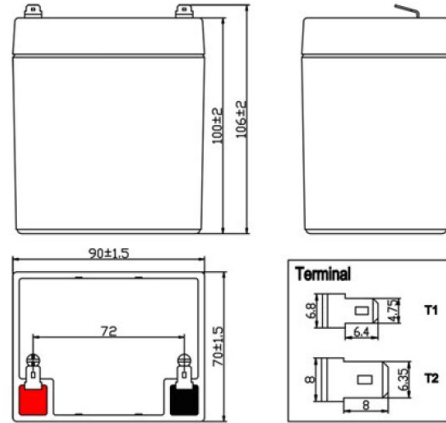


# PQ1204S T1-T2 (12V 4Ah)

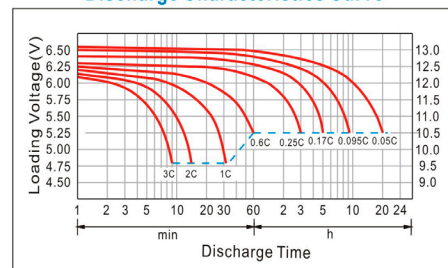


Unit: mm

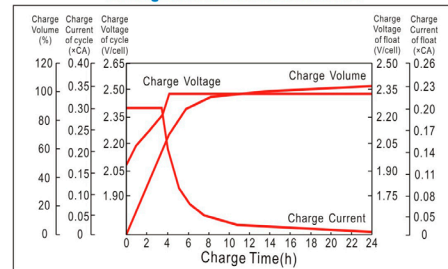
| Specifications      |              | PQ1204S T1-T2 |
|---------------------|--------------|---------------|
| Nominal Voltage     |              | 12V           |
| Rated Capacity      |              | 4.0Ah         |
| Dimensions (mm)     | Length       | 90            |
|                     | Width        | 70            |
|                     | Height       | 100           |
|                     | Total Height | 106           |
| Approx. Weight (kg) |              | 1.23          |
| Terminal            |              | T1-T2         |

| Characteristics                            |                       |   |
|--|-----------------------|---|
| Capacity 25°C                              | 20HR (0.202A)         | 4.04Ah                                      |
|  | 10HR (0.386A)         | 3.86Ah                                      |
|  | 5HR (0.690A)          | 3.45Ah                                      |
|  | 1HR (2.600A)          | 2.60Ah                                      |
|  | 15 min rate (7.700A)  | 1.92Ah                                      |
| Impedance                                  | Fully charged battery | Approx.                                     |
|  | 25°C                  | 48mΩ  |
| Temperature dependence of capacity (20HR)  | 40°C                  | 107%  |
|  | 25°C                  | 100%  |
|  | 0°C                   | 76%   |
|  | -15°C                 | 56%   |
| Self-discharge (20°C) (remaining capacity) | 3 months              | 90%   |
|  | 6 months              | 80%   |
|  | 12 months             | 60%   |
| Max. discharge current (25°C)              |                       | 60A (5s)                                    |
| Service life acc. to EUROBAT (25°C)        |                       | 3-5 years                                   |
| Constant voltage charge (25°C)             | Cycle                 | 14.7~15.0V(-24mV/°C)<br>max. current: 0.3CA |
|  | Float                 | 13.5~13.8V(-18mV/°C)<br>max. current: 0.2CA |

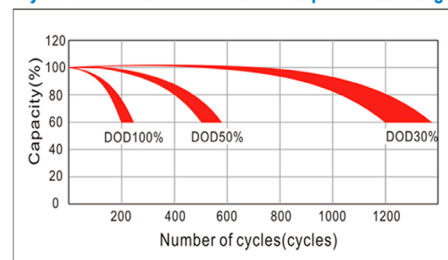
Discharge Characteristics Curve



Charge Characteristics Curve



Cycle service life in relation to depth of discharge



| Constant Current Discharge Characteristics (A), (25°C)      |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| F.V/TIME  | 5min  | 10min | 15min | 30min | 60min | 2H    | 3H    | 5H    | 8H    | 10H   | 20H   |
| 1.60V/cell  | 15,78 | 10,34 | 7,700 | 4,100 | 2,600 | 1,465 | 1,046 | 0,706 | 0,467 | 0,400 | 0,214 |
| 1.70V/cell  | 14,32 | 9,580 | 7,260 | 3,980 | 2,542 | 1,442 | 1,020 | 0,695 | 0,460 | 0,390 | 0,206 |
| 1.75V/cell  | 12,86 | 8,980 | 6,860 | 3,860 | 2,510 | 1,430 | 1,010 | 0,690 | 0,456 | 0,386 | 0,202 |
| 1.80V/cell  | 11,54 | 8,400 | 6,460 | 3,740 | 2,474 | 1,418 | 0,998 | 0,682 | 0,450 | 0,380 | 0,194 |
| Constant Wattage Discharge Characteristics (W/cell), (25°C) |       |       |       |       |       |       |       |       |       |       |       |
| F.V/TIME  | 5min  | 10min | 15min | 30min | 60min | 2H    | 3H    | 5H    | 8H    | 10H   | 20H   |
| 1.60V/cell  | 28,54 | 18,87 | 14,18 | 7,824 | 5,157 | 2,905 | 2,085 | 1,408 | 0,932 | 0,799 | 0,428 |
| 1.70V/cell  | 26,37 | 17,80 | 13,61 | 7,662 | 5,063 | 2,872 | 2,037 | 1,388 | 0,918 | 0,780 | 0,413 |
| 1.75V/cell  | 24,01 | 16,99 | 12,98 | 7,495 | 5,003 | 2,850 | 2,018 | 1,379 | 0,911 | 0,773 | 0,406 |
| 1.80V/cell  | 21,73 | 16,03 | 12,33 | 7,324 | 4,936 | 2,829 | 1,996 | 1,364 | 0,900 | 0,761 | 0,390 |