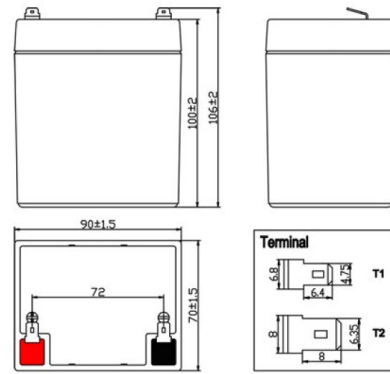


PQ1204S5 T1-T2 (12V 4.5Ah)

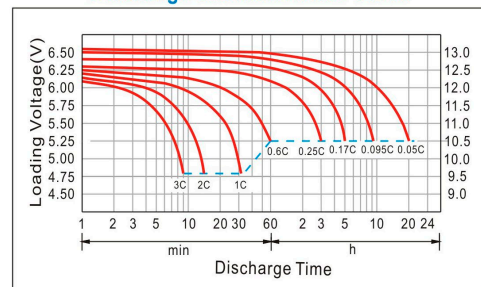


Unit: mm

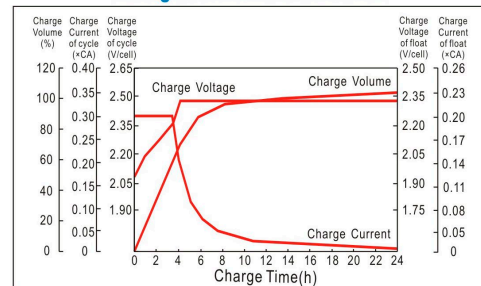
| Specifications | | PQ1204S5 T1-T2 |
|---------------------|--------------|----------------|
| Nominal Voltage | | 12V |
| Rated Capacity | | 4.5Ah |
| Dimensions (mm) | Length | 90 |
| | Width | 70 |
| | Height | 100 |
| | Total Height | 106 |
| Approx. Weight (kg) | | 1.36 |
| Terminal | | T1-T2 |

| Characteristics | | |
|--|-----------------------|---|
| Capacity 25°C | 20HR (0.227A) | 4.54Ah |
| | 10HR (0.434A) | 4.34Ah |
| | 5HR (0.7764A) | 3.88Ah |
| | 1HR (2.750A) | 2.75Ah |
| | 15 min rate (8.143A) | 2.03Ah |
| Impedance | Fully charged battery | Approx. |
| | 25°C | 51mΩ |
| 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) | | 67.5A (5s) |
| Service life acc. to EUROBAT (25°C) | | 3-5 years |
| Constant voltage charge (25°C) | Cycle | 14.7~15.0V(-24mV/°C) max. current: 0.3CA |
| | Float | 13.5~13.8V(-18mV/°C) max. current: 0.2CA |

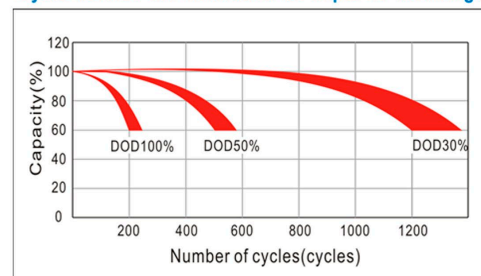
Discharge Characteristics Curve



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 | 16,69 | 10,93 | 8,143 | 4,336 | 2,750 | 1,549 | 1,177 | 0,794 | 0,526 | 0,450 | 0,241 |
| 1.70V/cell | 15,14 | 10,13 | 7,677 | 4,209 | 2,688 | 1,525 | 1,148 | 0,782 | 0,518 | 0,439 | 0,232 |
| 1.75V/cell | 13,60 | 9,496 | 7,254 | 4,082 | 2,654 | 1,512 | 1,136 | 0,776 | 0,513 | 0,434 | 0,227 |
| 1.80V/cell | 12,20 | 8,883 | 6,831 | 3,955 | 2,616 | 1,500 | 1,123 | 0,767 | 0,506 | 0,428 | 0,218 |

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 | 30,18 | 19,96 | 15,00 | 8,274 | 5,453 | 3,072 | 2,346 | 1,584 | 1,049 | 0,899 | 0,482 |
| 1.70V/cell | 27,89 | 18,83 | 14,40 | 8,102 | 5,354 | 3,037 | 2,291 | 1,562 | 1,033 | 0,878 | 0,465 |
| 1.75V/cell | 25,39 | 17,96 | 13,72 | 7,926 | 5,291 | 3,014 | 2,271 | 1,551 | 1,025 | 0,869 | 0,456 |
| 1.80V/cell | 22,98 | 16,95 | 13,04 | 7,745 | 5,219 | 2,992 | 2,246 | 1,535 | 1,013 | 0,856 | 0,438 |