



VALVE REGULATED LEAD ACID BATTERY - MINI CAPACITY SERIES

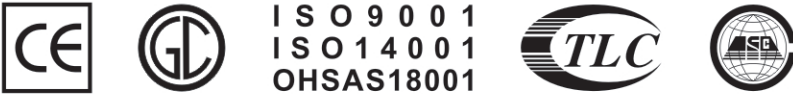
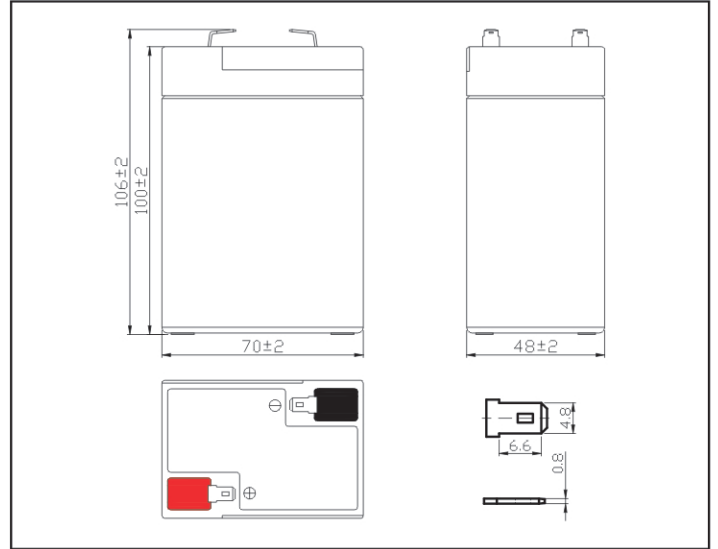
MODEL: OT4.5-6A

NO.: 302010005-00016



Plane Chart:

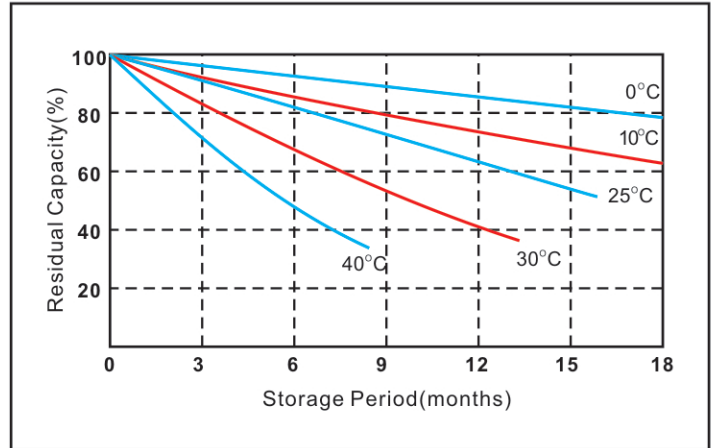
Unit:(mm) Terminal type:(F1)



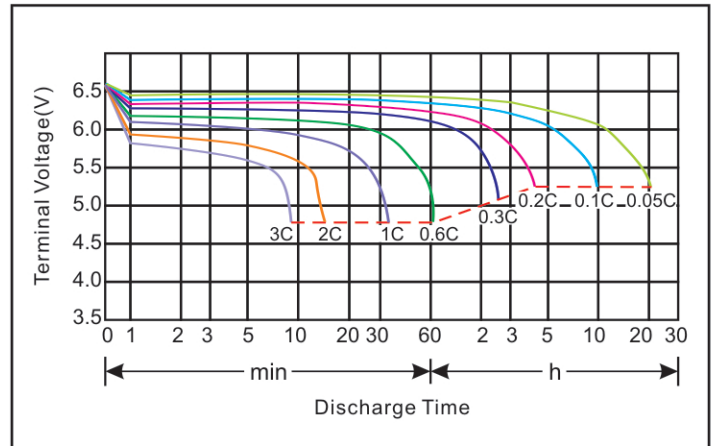
Parameter Chart:

| Volts | | 6V | |
|----------------------------------|--------------------------------------|--|--|
| Capacity(25°C) | 20 hours rate (0.225A) | 4.5Ah | |
| Discharge Current Testing (25°C) | 20 I ₂₀ rate (4.5A,27min) | 33min | |
| | 60 I ₂₀ rate (13.5A,7min) | 7min | |
| Internal Resistance | Full Charged Battery 25°C | 16mΩ | |
| Capacity Affected By Temperature | 40°C | 104% | |
| | 25°C | 100% | |
| | 0°C | 83% | |
| | -15°C | 65% | |
| Residual Capacity (25°C) | Capacity After 3 Months Storage | 91% | |
| | Capacity After 6 Months Storage | 82% | |
| | Capacity After 12 Months Storage | 65% | |
| Charge (Constant Voltage) | Cycle (25°C) | Initial Charging Current Less Than 1.35A Voltage 7.25~7.45V | |
| | Float (25°C) | Charge Voltage 6.8~6.9V | |
| Weight (Approx) | | 0.82Kg | |

Residual Capacity

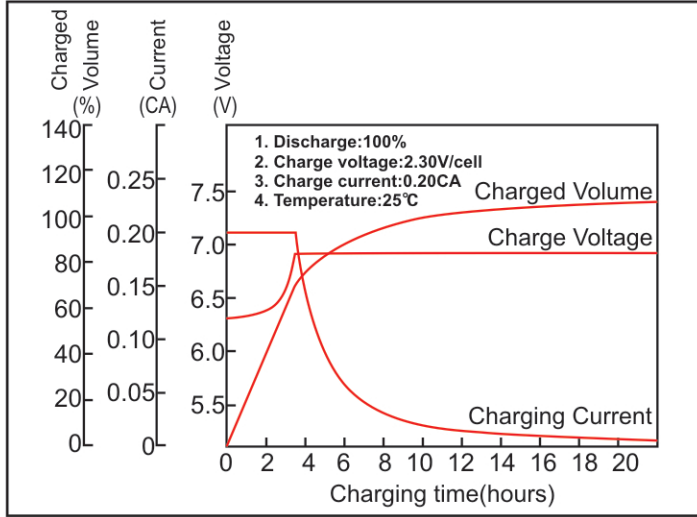


Discharge Current 25°C

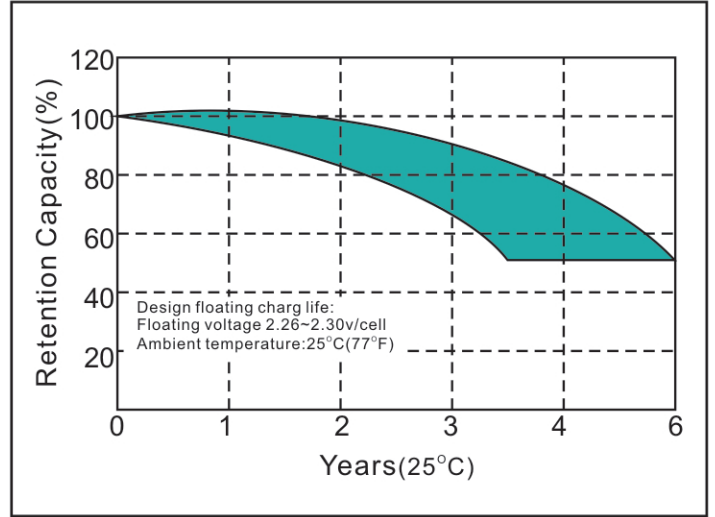


★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.

Constant voltage charging characteristics



Float Life



Constant Current Discharge Characteristics (A, 25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 4.80V | 15.36 | 9.79 | 7.89 | 4.77 | 2.66 | 1.47 | 1.05 | 0.72 | 0.51 | 0.43 | 0.23 |
| 5.10V | 14.61 | 9.30 | 7.57 | 4.58 | 2.55 | 1.45 | 1.04 | 0.71 | 0.51 | 0.42 | 0.23 |
| 5.25V | 14.15 | 9.01 | 7.38 | 4.47 | 2.49 | 1.44 | 1.03 | 0.71 | 0.51 | 0.41 | 0.23 |
| 5.40V | 13.70 | 8.72 | 7.19 | 4.35 | 2.42 | 1.42 | 1.01 | 0.70 | 0.51 | 0.40 | 0.22 |

Constant Current Discharge Characteristics (Watt, 25°C)

| F.V/Time | 5min | 10min | 15min | 30min | 60min | 2h | 3h | 5h | 8h | 10h | 20h |
|----------|-------|-------|-------|-------|-------|------|------|------|------|------|------|
| 4.80V | 84.46 | 54.53 | 44.28 | 27.02 | 15.21 | 8.51 | 6.19 | 4.26 | 3.08 | 2.59 | 1.38 |
| 5.10V | 80.36 | 51.66 | 42.64 | 25.95 | 14.60 | 8.39 | 6.11 | 4.22 | 3.05 | 2.54 | 1.38 |
| 5.25V | 77.90 | 50.02 | 41.57 | 25.30 | 14.23 | 8.30 | 6.03 | 4.16 | 3.04 | 2.48 | 1.35 |
| 5.40V | 75.44 | 48.38 | 40.51 | 24.64 | 13.86 | 8.21 | 5.95 | 4.10 | 3.03 | 2.43 | 1.32 |

Capacity Factors With Different Temperature

| Battery Type | | -20°C | -10°C | 0°C | 5°C | 10°C | 20°C | 25°C | 30°C | 40°C | 45°C |
|--------------|----|-------|-------|-----|-----|------|------|------|------|------|------|
| Battery | 6V | 50% | 70% | 83% | 85% | 90% | 98% | 100% | 102% | 104% | 105% |

★The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.