

UN45-12 (12V45Ah)



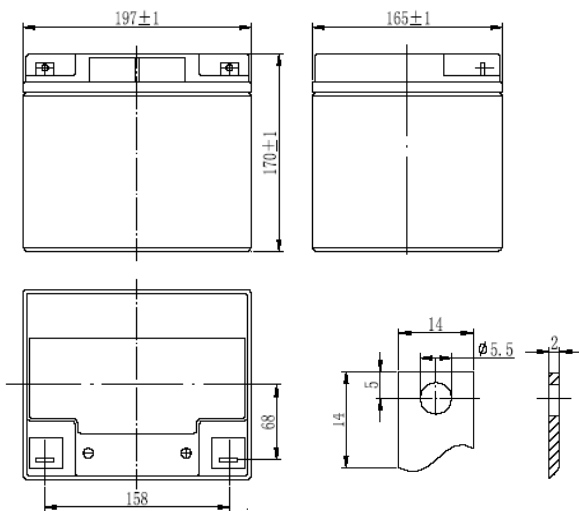
GENERAL FEATURES

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte for air transport-complies with LATA/ICAO Special provision A67.
- Not restricted for air transport-complies with LATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications,
- Maintenance-free operation.
- Low self discharge.
- Case and cover available in both standard and flame retardant ABS.

SPECIFICATION

| | | | | |
|-------------------------------|---------|------------|--------------|-------------------|
| Nominal voltage | 12V | Dimensions | Total Height | 6.69inches(170mm) |
| Rated capacity (10 hour rate) | 45Ah | | Height | 6.69inches(170mm) |
| Number of cell | 6 | | Length | 7.76inches(197mm) |
| Approx. Weight (Kg / Ibs) | 14/30.9 | | Width | 6.5inches(165mm) |

Battery Dimensions



Characteristics

| | | |
|---|--|--------|
| Capacity 77° F (25°C) | 20 hour rate (2.35A、10.5V) | 47Ah |
| | 10 hour rate (4.5A、10.5V) | 45Ah |
| | 5 hour rate (7.7A、10.5V) | 38.5Ah |
| | 1 hour rate (28 A、9.6V) | 28Ah |
| | 1C (45A、9.6V) | 32min |
| | 3C (135A、9.6V) | 7min |
| Internal Resistance | Full charged Battery 77° F (25°C) : 10m Ω | |
| Capacity affected by Temperature (20 hour rate) | 104° F (40°C) | 102% |
| | 77° F (25°C) | 100% |
| | 32° F (10°C) | 85% |
| | 5° F (-15°C) | 65% |
| Self-Discharge 68° F (20°C) | Capacity after 3 month storage | 90% |
| | Capacity after 6 month storage | 80% |
| | Capacity after 12month storage | 60% |
| Max. discharge current 77° F (25°C) : 450A (5S) | | |
| Charge (Constant Voltage) | Float: 13.6~13.8 V/77° F (25°C) | |
| | Cycle: 14.5~14.9 V/77° F (25°C) Max. Current: 11.3A | |

Constant power discharge ratings-watts per cell at 25°C (77° F)

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h |
|----------------------|------|-------|-------|-------|-------|------|------|------|------|
| 1.60V | 260 | 173 | 144 | 83.0 | 70.0 | 55.6 | 32.6 | 23.0 | 15.0 |
| 1.65V | 246 | 167 | 140 | 81.8 | 68.7 | 54.8 | 32.1 | 22.8 | 14.8 |
| 1.70V | 232 | 161 | 135 | 80.5 | 67.4 | 54.0 | 31.6 | 22.5 | 14.7 |
| 1.75V | 218 | 154 | 131 | 79.3 | 66.1 | 53.1 | 31.0 | 22.3 | 14.5 |
| 1.80V | 209 | 148 | 126 | 78.0 | 64.8 | 52.3 | 30.5 | 22.0 | 14.4 |

