

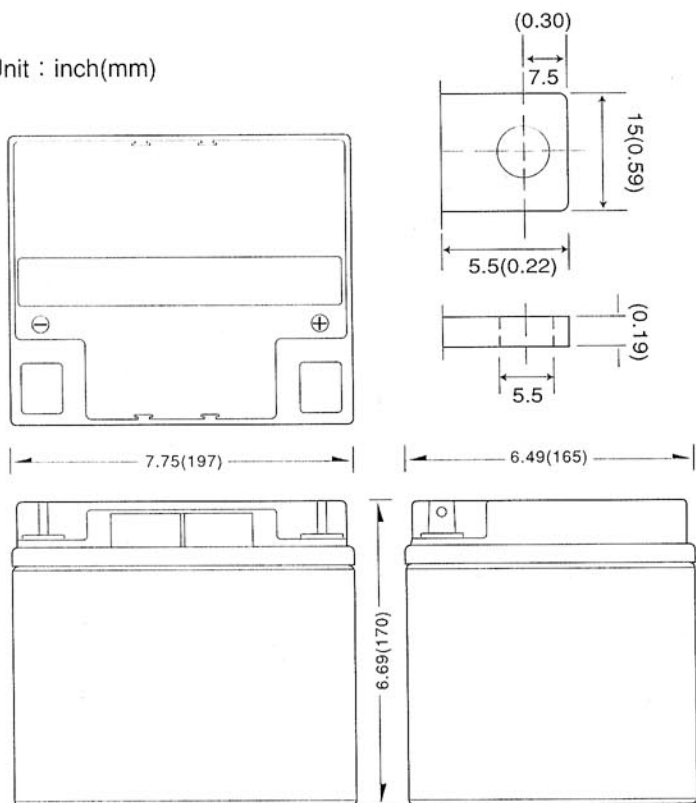
NP 45-12



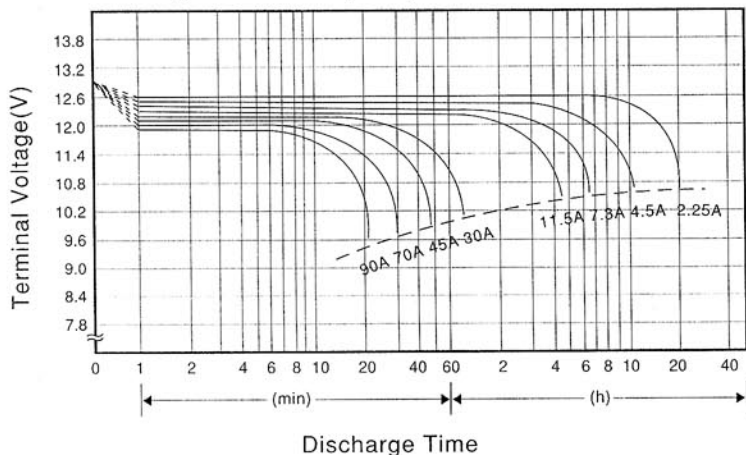
Used for

- UPS SYSTEMS
- CELLULAR PHONES
- TELECOMMUNICATIONS STATION STANDBY BATTERIES
- MEDICAL EQUIPMENT STANDBY BATTERIES
- YACHT
- DC TO AC INVERTER
- WHEEL CHAIR

Unit : inch(mm)



Discharge curves 77°F(25°C)*



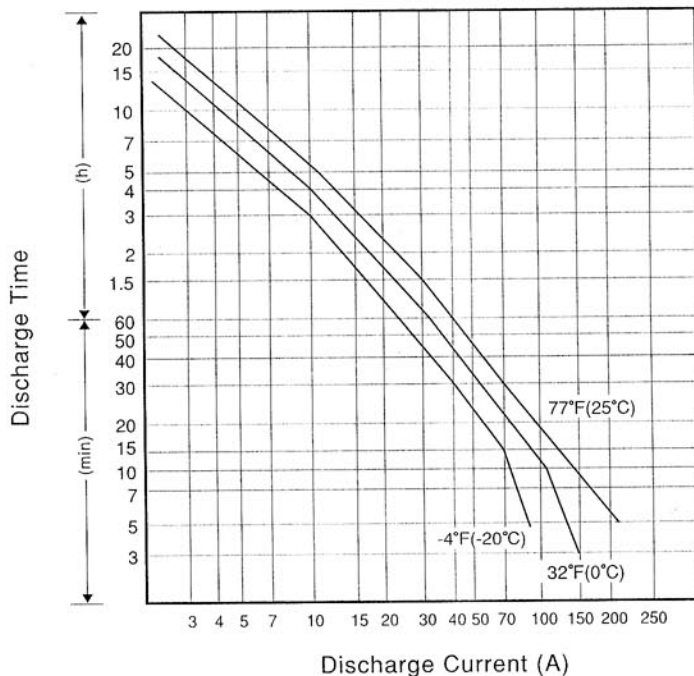
Specifications

| | | |
|-------------------------------|-------------------------------|-------------------------|
| Nominal Voltage | | 12V |
| Rated Capacity (20 hour rate) | | 45A |
| Dimensions | Total Height (With Terminals) | 5.59 inches (142 mm) |
| | Height | 5.59 inches (142 mm) |
| | Length | 7.78 inches (197.5 mm) |
| | Width | 6.49 inches (165 mm) |
| Weight | | Approx. 35.2 lbs (16Kg) |

Characteristics

| | | |
|--|---------------------------------|--|
| Capacity* 77°F (25°C) | 20 hour rate (2.25 A) | 45 Ah |
| | 10 hour rate (4.41 A) | 41 Ah |
| | 5 hour rate (8.00 A) | 40 Ah |
| | 1 hour rate (30.00 A) | 30 Ah |
| | 1.5 hour discharge to 10.5V | 20 A |
| Internal Resistance | Full Charged Battery 77°F(25°C) | 6 mΩ |
| Capacity affected by Temperature (20hour rate) | 104°F (40°C) | 102% |
| | 77°F (25°C) | 100% |
| | 32°F (0°C) | 83% |
| | 5°F (-15°C) | 64% |
| Self-Discharge 77°F (25°C) | Capacity after 3 month storage | 90% |
| | Capacity after 6 month storage | 80% |
| | Capacity after 9 month storage | 60% |
| Charge (Constant Voltage) | Cycle | Initial Charge Current less than 15 A Voltage 14.8~15.3V / 12V 77°F(25°C) |
| | Stand By | Voltage 13.6~13.9V / 12V 77°F(25°C) |

Discharging Current & Discharge Duration Time*



*The above data are average values. and can be obtained within 3 charge / discharge cycles. These are not minimum values.