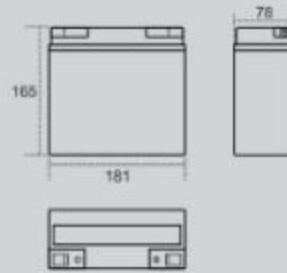


12 SB 18 (12V 18Ah)



Outer Dimensions (mm)



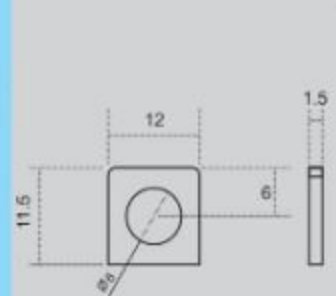
Specifications

| | | |
|---------------------------------|--------------|------------------|
| Nominal Voltage | | 12 V |
| Rated Capacity (10 Hour Rate) | | 18 Ah |
| Dimensions | Total Height | 165 mm |
| | Height | 165 mm |
| | Length | 181 mm |
| | Width | 78 mm |
| Terminal | | F1 / F2 |
| Container Material | | ABS (UL94-HB/V0) |
| Weight Approx (±2.5%) | | 6.5 Kg |

Terminal Type brass core (mm) (F1)



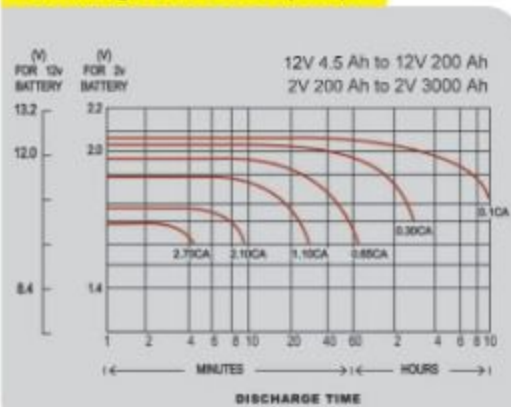
Terminal Type bolt and nut (mm) (F2)



Characteristics

| | | |
|---|--|--------------------------|
| Capacity 25°C (77°F) | 10 hour-rate | 18 Ah |
| | 3 hour-rate | 12.9 Ah |
| | 1 hour-rate | 9.4 Ah |
| Internal Resistance | Full Charge Battery at 25°C (77°F) | 15 mΩ |
| Capacity Affected by Temperature (10 Hour Rate) | 35°C | 18.3 Ah |
| | 25°C | 18 Ah |
| | 0°C | 15.4 Ah |
| | -10°C | 12.8 Ah |
| Self-Discharge at 25°C (77°F) | Capacity After The 3 Month of Storage | 91 % |
| | Capacity After The 6 Month of Storage | 82 % |
| | Capacity After The 12 Month of Storage | 64 % |
| Charge Constant Voltage | Cycle | Voltage 2.40-2.45 / Cell |
| | Float | Voltage 2.23-2.25 / Cell |

Discharge Curves 25°C (77°F)



Discharge and Final Voltage Table According to IEC60896-21 Standard

| Discharge time | 0.25 h | 1 h | 3 h | 5 h | 8 h | 10 h |
|----------------|----------|----------|----------|----------|----------|----------|
| Final voltage | 1.60 VPC | 1.60 VPC | 1.70 VPC | 1.73 VPC | 1.75 VPC | 1.80 VPC |

Constant Current (A) Discharge Table at 25°C (77°F)

| Amount of Current (A) | Discharge Time | | | | | | |
|--------------------------|----------------|-----|-----|-----|-----|------|------|
| | 1 h | 2 h | 3 h | 5 h | 8 h | 10 h | 20 h |
| | 9.4 | 6 | 4.3 | 2 | 1.9 | 1.8 | 0.95 |