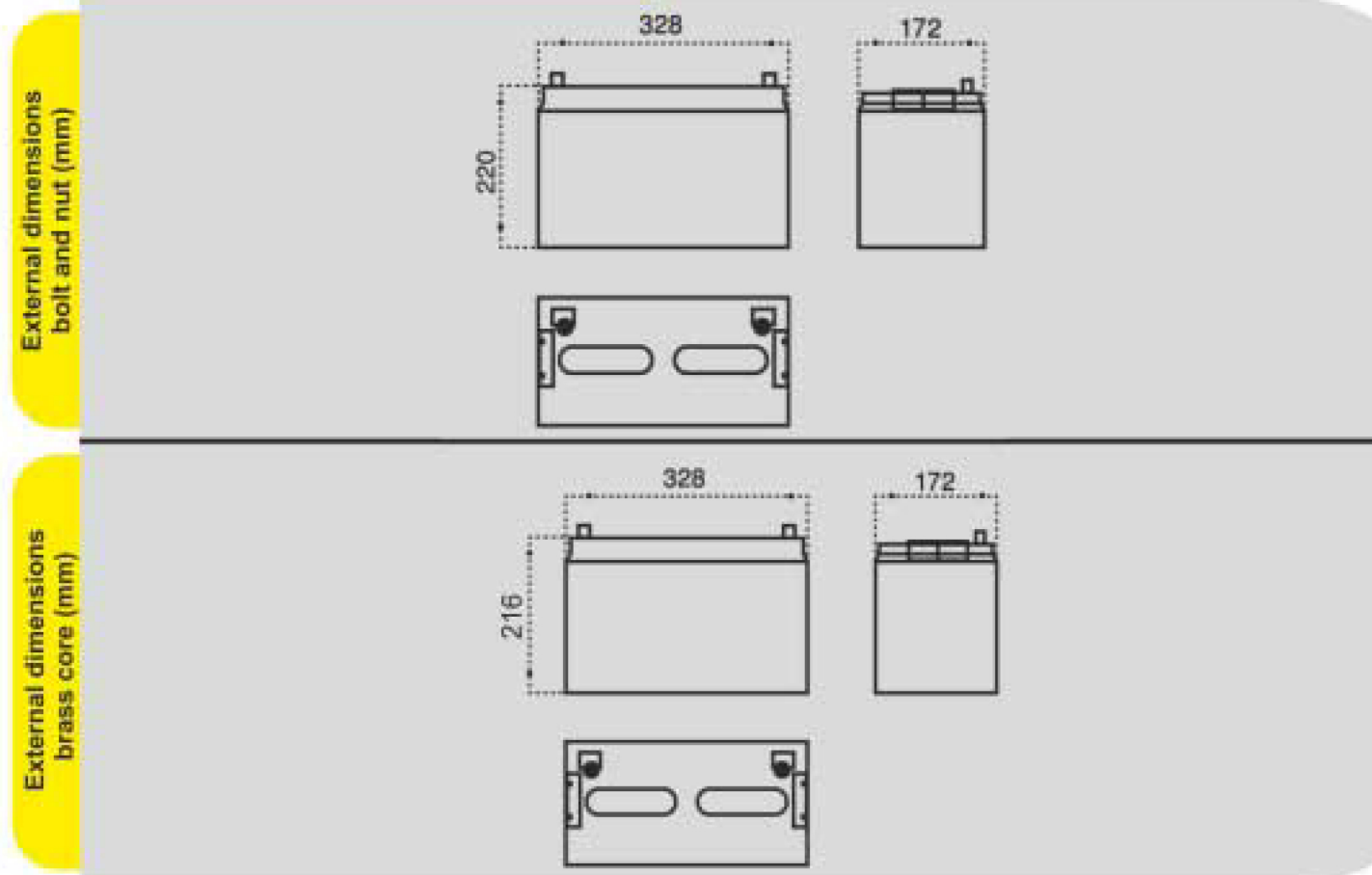


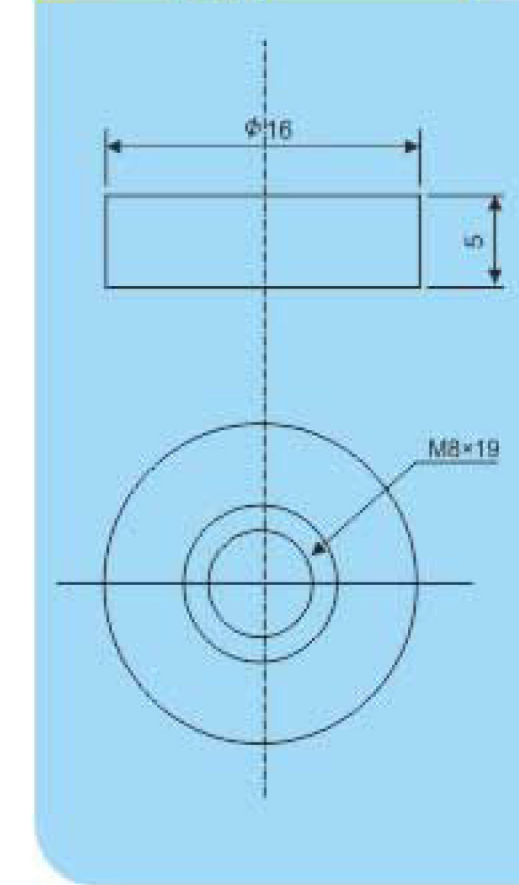
12 SB 100 (12V 100Ah)



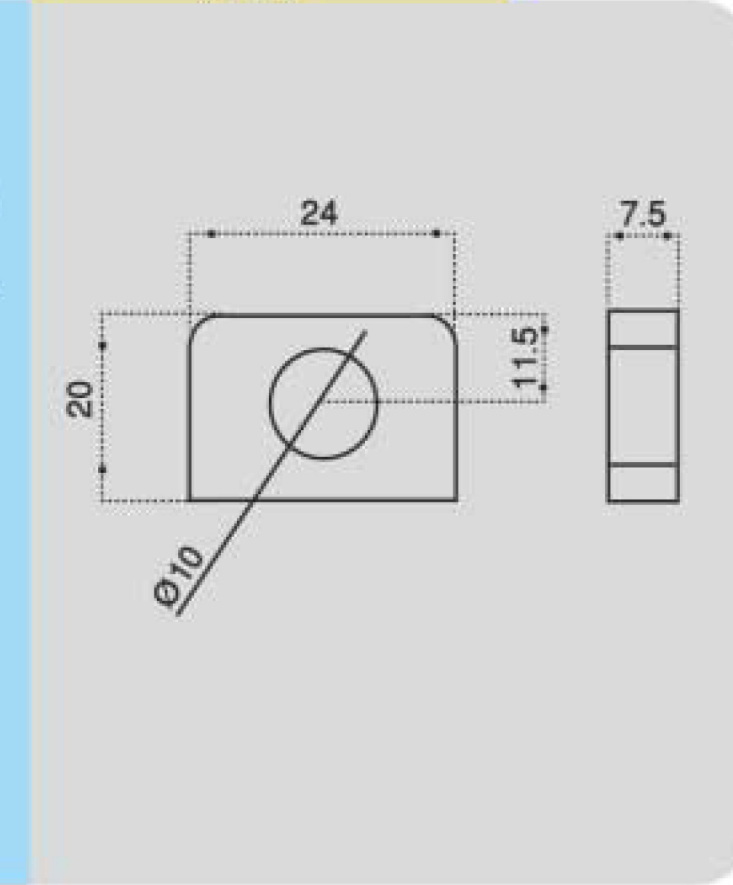
Outer Dimensions (mm)



Terminal Type brass core (mm) (F1)



Terminal Type bolt and nut (mm) (F2)



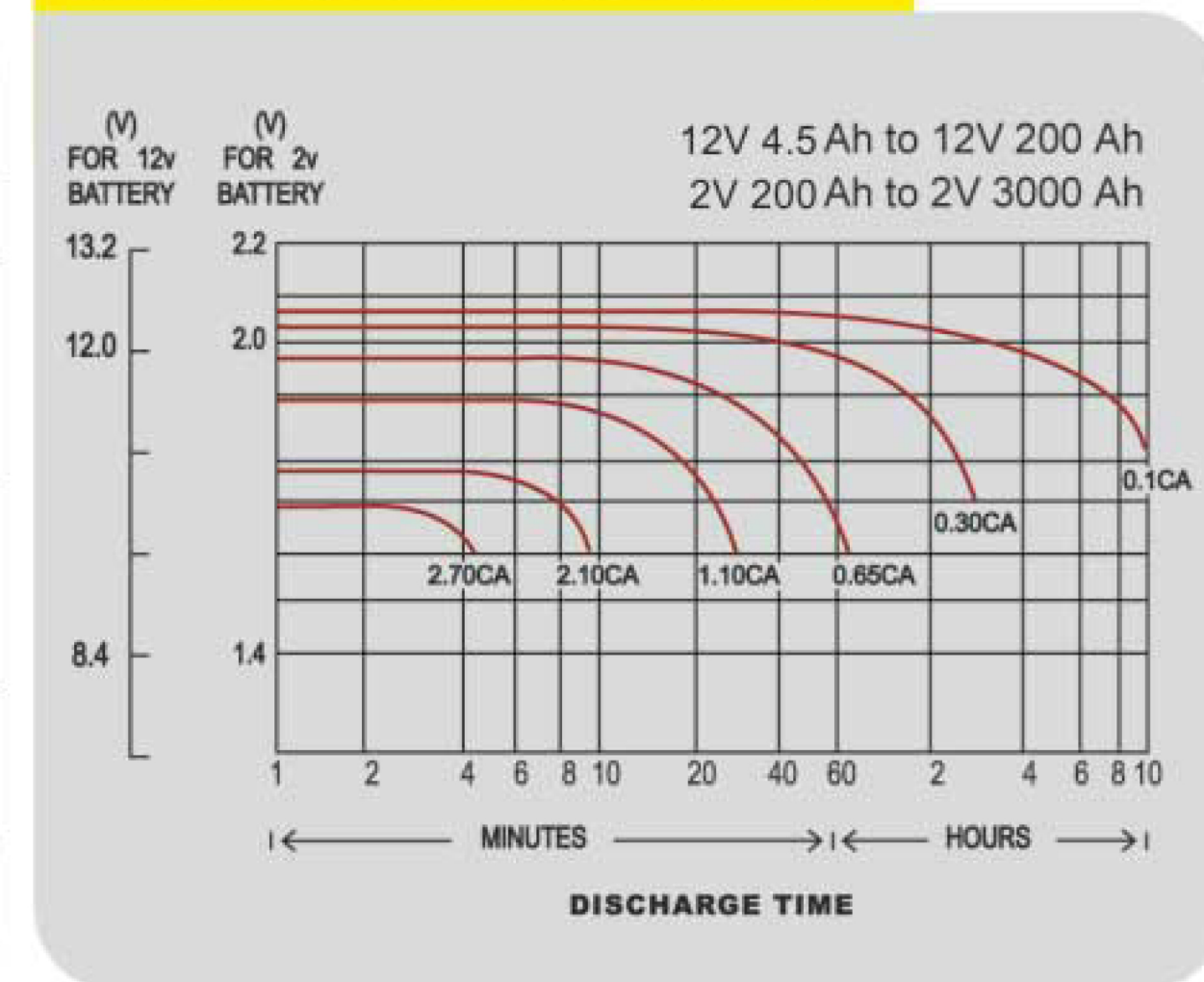
Specifications

| | | | |
|---------------------------------|--------------|------------------|---------|
| Nominal Voltage | | 12 V | 12 V |
| Rated Capacity (10 Hour Rate) | | 100 Ah | 100 Ah |
| Dimensions | Total Height | 242 mm | 222 mm |
| | Height | 220 mm | 216 mm |
| | Length | 328 mm | 328 mm |
| | Width | 172 mm | 172 mm |
| Terminal | | F2 | F1 |
| Container Material | | ABS (UL94-HB/V0) | |
| Weight Approx ($\pm 2.5\%$) | | 32.5 Kg | 32.5 Kg |

Characteristics

| | | |
|---|--|--------------------------|
| Capacity 25°C (77°F) | 10 hour-rate | 100 Ah |
| | 3 hour-rate | 75 Ah |
| | 1 hour-rate | 55 Ah |
| Internal Resistance | Full Charge Battery at 25°C (77°F) | 4.5 m Ω |
| Capacity Affected by Temperature (10 Hour Rate) | 35°C | 102 Ah |
| | 25°C | 100 Ah |
| | 0°C | 85 Ah |
| | -10°C | 75 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 2.23-2.28 / Cell |

Discharge Curves 25°C (77°F)



Discharge and Final Voltage Table According to IEC60886-21 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 |
| | 55 | 31.8 | 25 | 16 | 11 | 10 | 5.4 |