General Application

12VC7.0Y is a general purpose battery with 3–5 years in standby service or more than 400 cycles at 50% depth of discharge in cycle service.

Unit Specification

- NOMINAL VOLTAGE: 12 V
- NOMINAL CAPACITY(20 hr): 6.0 Ah
- DIMENSIONS:
  - TOTAL HEIGHT: 100 mm (3.94 inches)
  - CONTAINER HEIGHT: 94 mm (3.70 inches)
  - LENGTH: 151 mm (5.94 inches)
  - WIDTH: 65 mm (2.56 inches)
- NET WEIGHT(UNIT): APPROX 2.00 Kg (4.41 lbs)
- CONTAINER MATERIAL: UL94HB ABS
- INTERNAL RESISTANCE(25°C, 77 °F): ~27mΩ
- DISCHARGE CAPACITY UNDER DIFFERENT TEMPERATURES:
  - 40°C: ~102%
  - 25°C: ~100%
  - 0°C: ~85%

Characteristics

- CAPACITY 25 °C / 77 °F
  - 20 hr @ 0.3 A: 6.0 Ah
  - 5 hr @ 0.96A: 4.8 Ah
  - 1 hr @ 3.6 A: 3.6 Ah
  - 1 C @ 6.0 A: 3.0 Ah
- CHARGING VOLTAGE (25°C, 77 °F):
  - STANDBY USE: 13.65V±0.15 V
  - CYCLE USE: 14.7V ±0.3 V
- MAX DISCHARGE CURRENT: 90 A (5 sec)
- MAX CHARGING CURRENT: 1.8 A
- SELF-DISCHARGE RESIDUAL CAPACITY(25°C, 77 °F):
  - AFTER 3 MONTHS: ~90%
  - AFTER 6 MONTHS: ~82%
  - AFTER 12 MONTHS: ~70%

Packaging and Weights

- CASE LOT SIZE: 5Pcs
- NET WEIGHT(UNIT): 2.00Kg (4.41lbs)
- GROSS WEIGHT(CASE SIZE): 11.00Kg (24.25lbs)

Discharge Current vs Time

Discharge Characteristics @25 °C (77 °F)

Dimensions

Terminal

Type: FO-01
Type: FO-02

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Tolerances are +/-0.04 in. (+/-1mm) and +/-0.08 in. (+/-2mm) for height dimensions.