



DEEP CYCLE
PROFESSIONAL

GC12 12V DC-130 Ah (C₂₀)



| PHYSICAL CHARACTERISTICS | | |
|--------------------------|----------|-----------|
| | SI Units | US Units |
| Length | 345 mm | 13.6 inch |
| Width | 175 mm | 6.9 inch |
| Height | 285 mm | 11.2 inch |
| Typical weight | 33,25 kg | 73.3 lbs |

Specifications:

- Nominal voltage: 12 V
- Rated capacity: 130 Ah (at C₂₀ and 25 °C)
- Plate technology: Antimony / Calcium
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: Flat
- Terminal type: Conical
- Carrying Handles: Available
- Cycles at 50% DoD: up to 400 cycles
- PVES applications: up to 900 cycles

Performance characteristics:

| BATTERY DISCHARGE PERFORMANCE AT 25°C | | | | | | | |
|--|----------------------|------------------------|--------------------------|------------------|-------|-------|-------|
| Discharge rate | C ₅ (5 h) | C ₂₀ (20 h) | C ₁₀₀ (100 h) | Capacity at 25 A | | | |
| End of discharge voltage | 10,20 V | 10,50 V | 10,80 V | 10,50 V | | | |
| Discharge capacity | 105 Ah | 130 Ah | 140 Ah | 210 min | | | |
| Temperature correction factor of discharge C ₅ (5 h) capacity | | | | | | | |
| Temperature | -10 °C | 0 °C | 20 °C | 25 °C | 30 °C | 35 °C | 40 °C |
| Correction factor | 0.80 | 0.88 | 0.98 | 1.00 | 1.03 | 1.05 | 1.07 |

| BATTERY CHARGE CONDITIONS AT 25°C | |
|--|--|
| Charging profile: | Charge factor: 1.10 – 1.20 |
| I _U I _a –characteristics for flooded batteries | Charging times with I _U I _a -characteristics in hours at 25 °C |
| | |
| <p>Stage1: Constant current Stage 2: Constant voltage Stage 3: Constant current</p> | |

BATTERY DISCHARGE CURVES AT 25°C

DISCHARGE PERFORMANCE AT CONSTANT CURRENT DISCHARGE (A)

