



DEEP CYCLE

PROFESSIONAL

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	73.30 lbs

GC12 12V DC-130 Ah (C₂₀)



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 C₅ (5 h) capacity

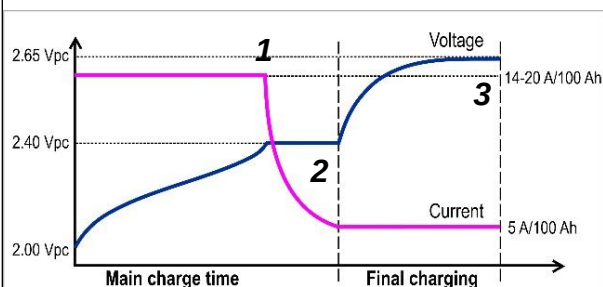
Temperature	-10 °C	0 °C	20 °C	25 °C	30 °C	35 °C	40 °C
Correction factor	0.80	0.88	0.98	1.00	1.03	1.05	1.07

BATTERY CHARGE CONDITIONS AT 25°C

Charging profile:

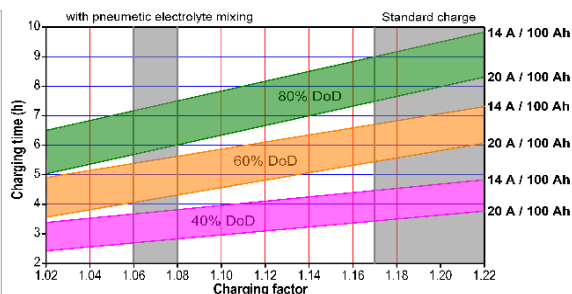
Charge factor: 1.10 – 1.20

IULa –characteristics for flooded batteries



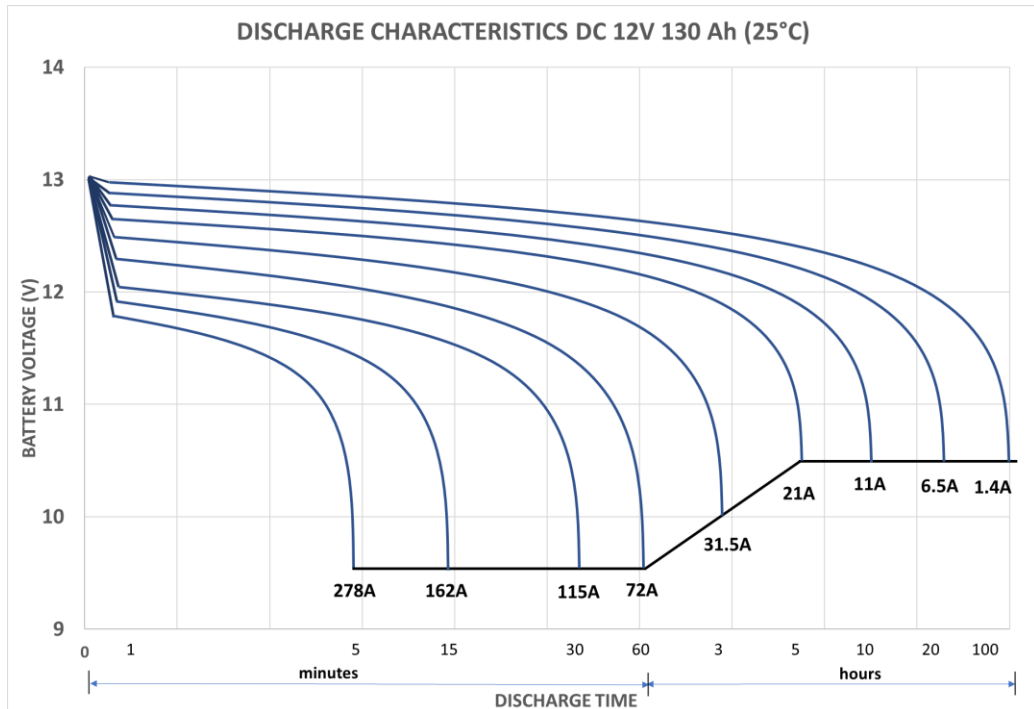
Stage1: Constant current Stage 2: Constant voltage Stage 3: Constant current

Charging times with IULa-characteristics in hours at 25 °C



BATTERY DISCHARGE CURVES AT 25°C

DISCHARGE PERFORMANCE AT CONSTANT CURRENT DISCHARGE (A)



Cycle service life in relation to depth of discharge (DC 12V)

