



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:

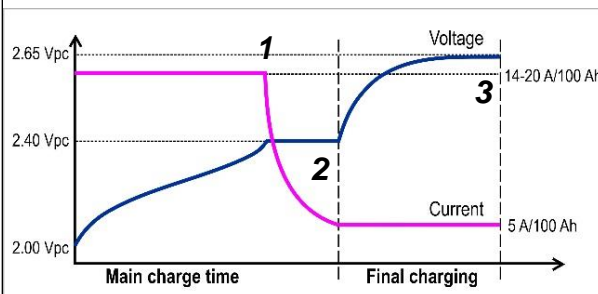
- Nominal voltage: 12 V
- Rated capacity: 130 Ah (at C₂₀ and 25 °C)
- Plate technology: Antimony / Calcium
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: Flat
- Terminal type: Conical
- 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

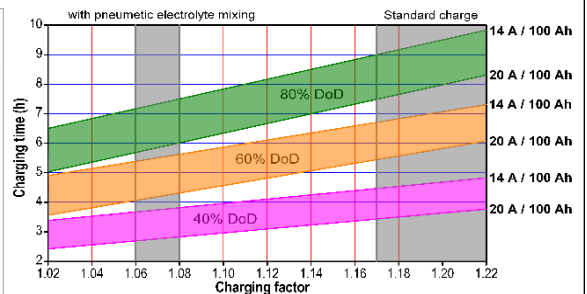
BATTERY CHARGE CONDITIONS AT 25°C	
Charging profile:	Charge factor: 1.10 – 1.20

I_UI_a –characteristics for flooded batteries



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

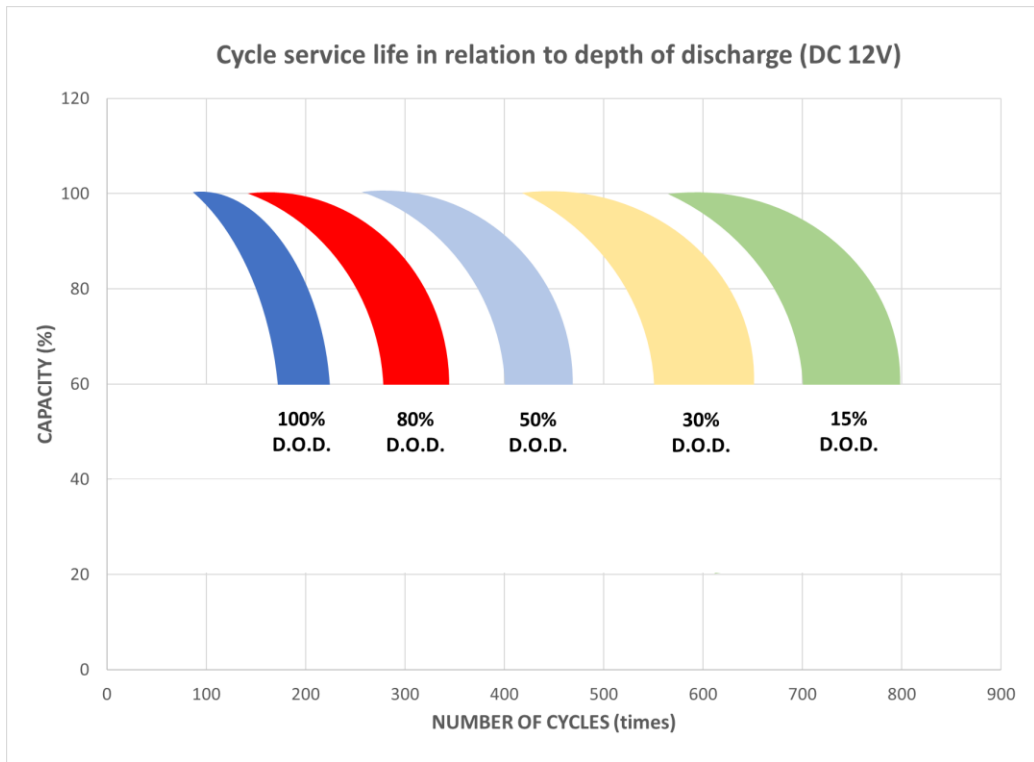
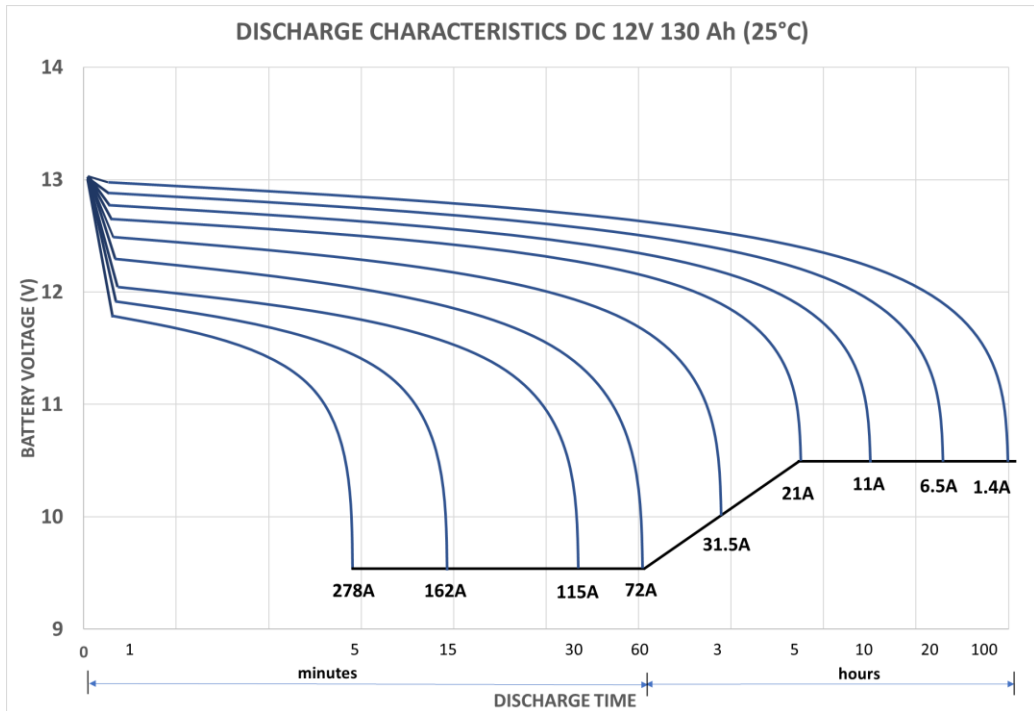
Charging times with I_UI_a-characteristics in hours at 25 °C



It is mandatory to check the electrolyte level every 3 months and top up with deionized water to the markings.

BATTERY DISCHARGE CURVES AT 25°C

DISCHARGE PERFORMANCE AT CONSTANT CURRENT DISCHARGE (A)



It is mandatory to check the electrolyte level every 3 months and top up with deionized water to the markings.