



DEEP CYCLE

PROFESSIONAL

PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	244 mm	9,61 inch
Width	190 mm	7,48 inch
Height	274 mm	10,79 inch
Typical weight	29,40 kg	64,82 lbs

6V EU DC-240 Ah (C₂₀)



Specifications:

- Nominal voltage: 6 V
- Rated capacity: 240 Ah (at C₂₀ and 25 °C)
- Plate technology: Antimony / Antimony
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid (SG 1,28) OCV 6.35V
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: Flat
- Terminal type: Conical
- Carrying Handles: Available
- Cycles at 50% DoD: up to 900 cycles
- PVES applications: up to 2000 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	5,10 V	5,25 V	5,40 V	5,25 V
Discharge capacity	197 Ah	240 Ah	265 Ah	505 min

Temperature correction factor of discharge C₅ (5 h) capacity

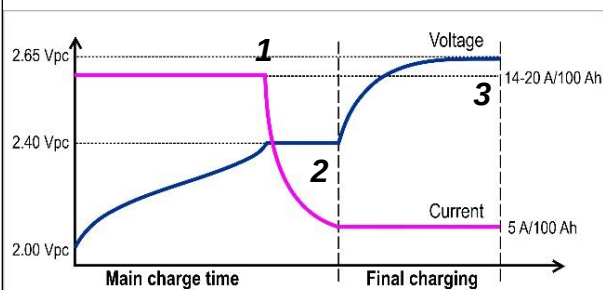
Temperature	-10 °C	0 °C	20 °C	25 °C	30 °C	35 °C	40 °C
Correction factor	0.80	0.88	0.98	1.00	1.03	1.05	1.07

BATTERY CHARGE CONDITIONS AT 25°C

Charging profile:

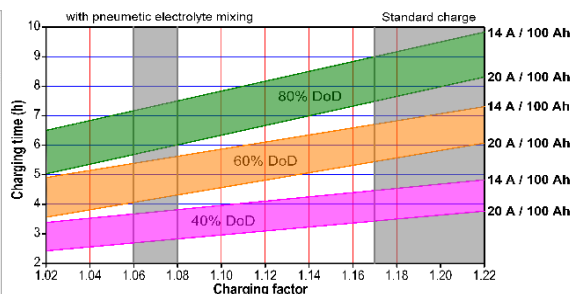
Charge factor: 1.10 – 1.20

IUla –characteristics for flooded batteries



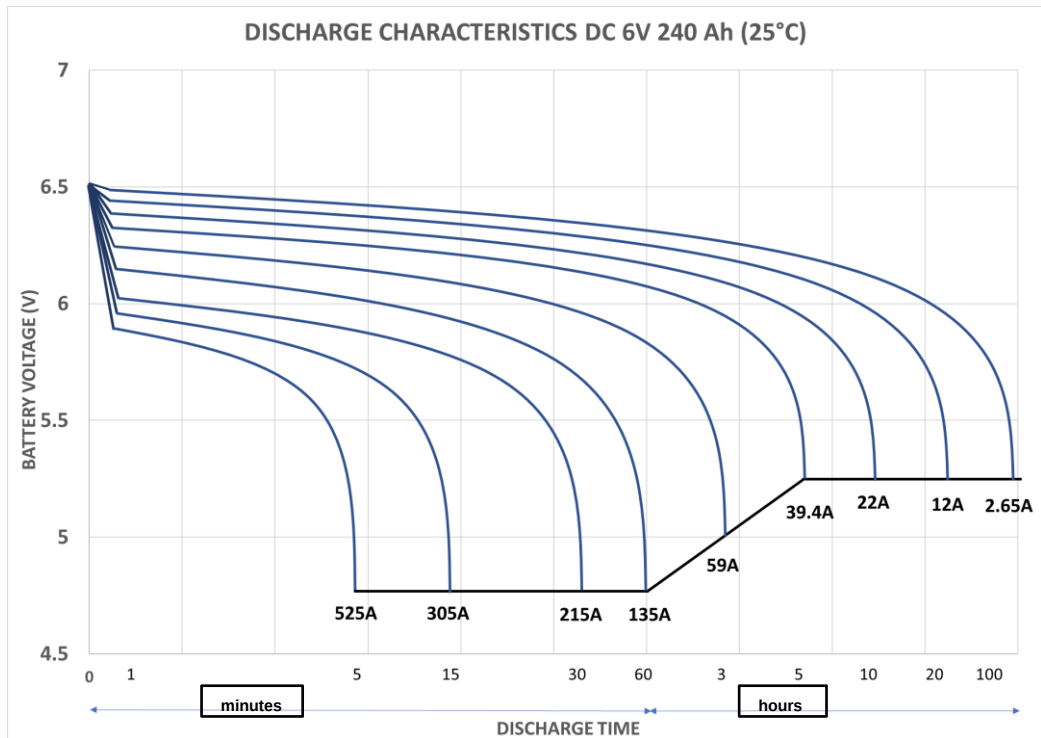
Stage1: Constant current Stage 2: Constant voltage Stage 3: Constant current

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

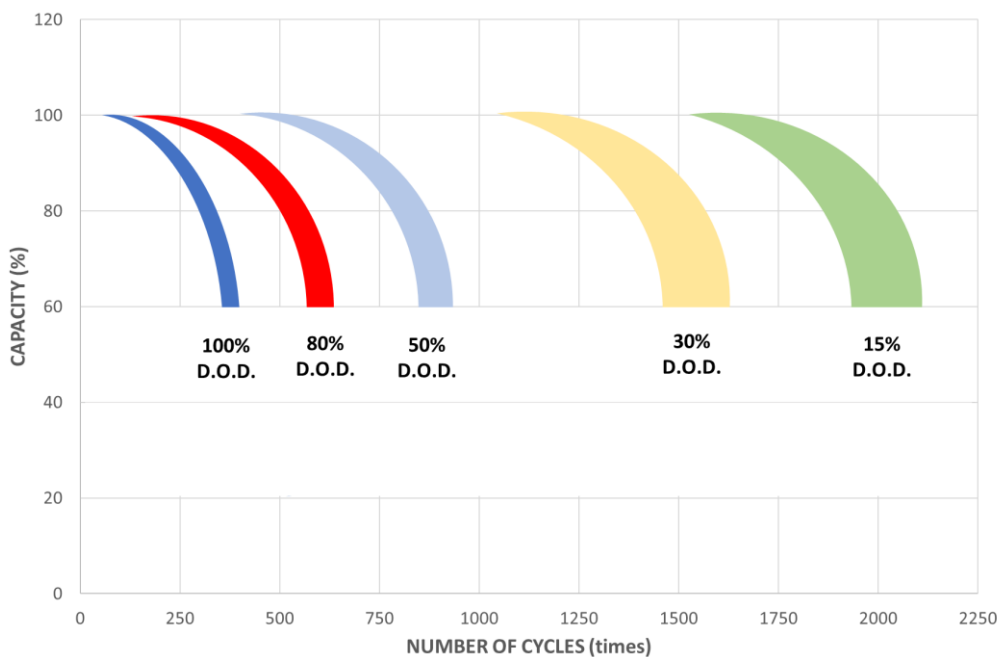


BATTERY DISCHARGE CURVES AT 25°C

DISCHARGE PERFORMANCE AT CONSTANT CURRENT DISCHARGE (A)



Cycle service life in relation to depth of discharge (DC 6/8V)



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