DEEP CYCLE PROFESSIONAL

PHYSICAL CHARACTERISTICS		
	SI Units	US Units
Length	261 mm	10,28 inch
Width	181 mm	7,13 inch
Height	276 mm	10,87 inch
Typical weight	31,65 kg	69,78 lbs

6V US DC-240 Ah (C_{20})



Specifications:

- Nominal voltage: 6 V
- Rated capacity: 240 Ah (at C_{20} 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: Dual
- Carrying Handles: Available
- Cycles at 50% DoD: up to 900 cycles
- PVES applications: up to 2000 cycles

Performance characteristics:

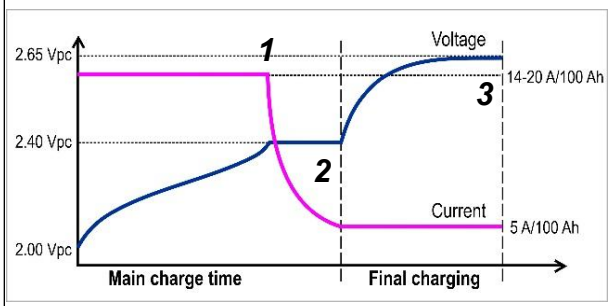
BATTERY DISCHARGE PERFORMANCE AT 25°C				
Discharge rate	**C_5 (5 h)**	**C_{20} (20 h)**	**C_{100} (100 h)**	**Capacity at 25 A**
End of discharge voltage	5,10 V	5,25 V	5,40 V	5,25 V
Discharge capacity	198 Ah	240 Ah	265 Ah	505 min

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

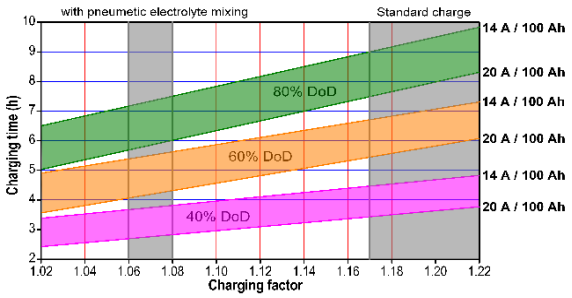
BATTERY CHARGE CONDITIONS AT 25oC

Charging profile: **Charge factor: 1.10 – 1.20**

IUIa –characteristics for flooded batteries



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



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

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

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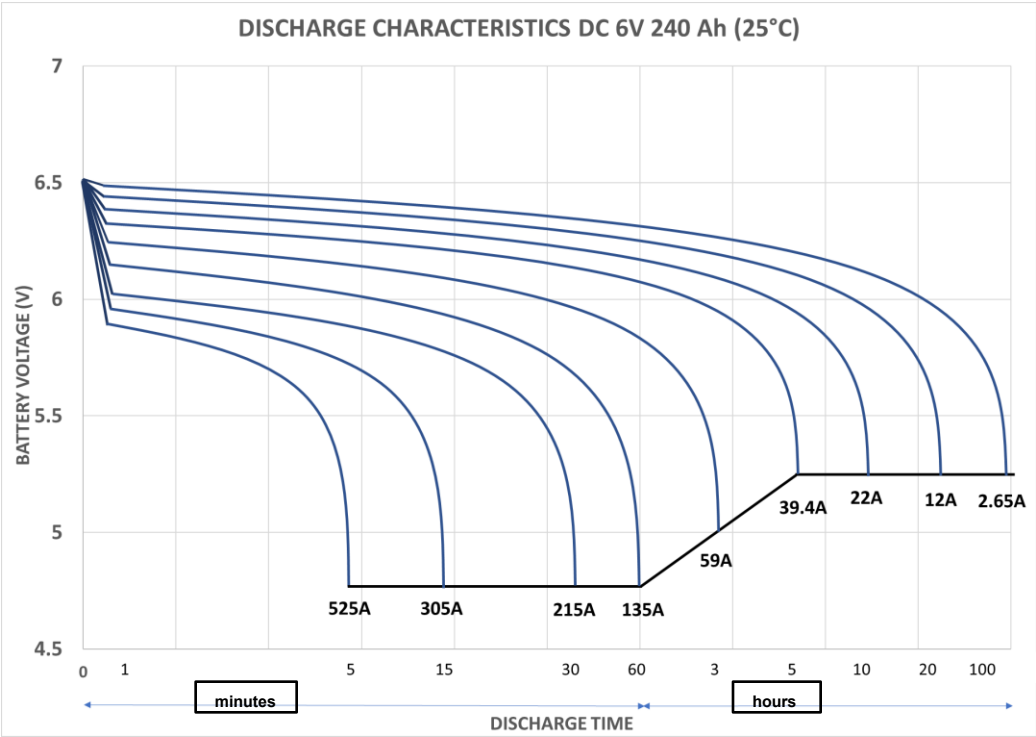
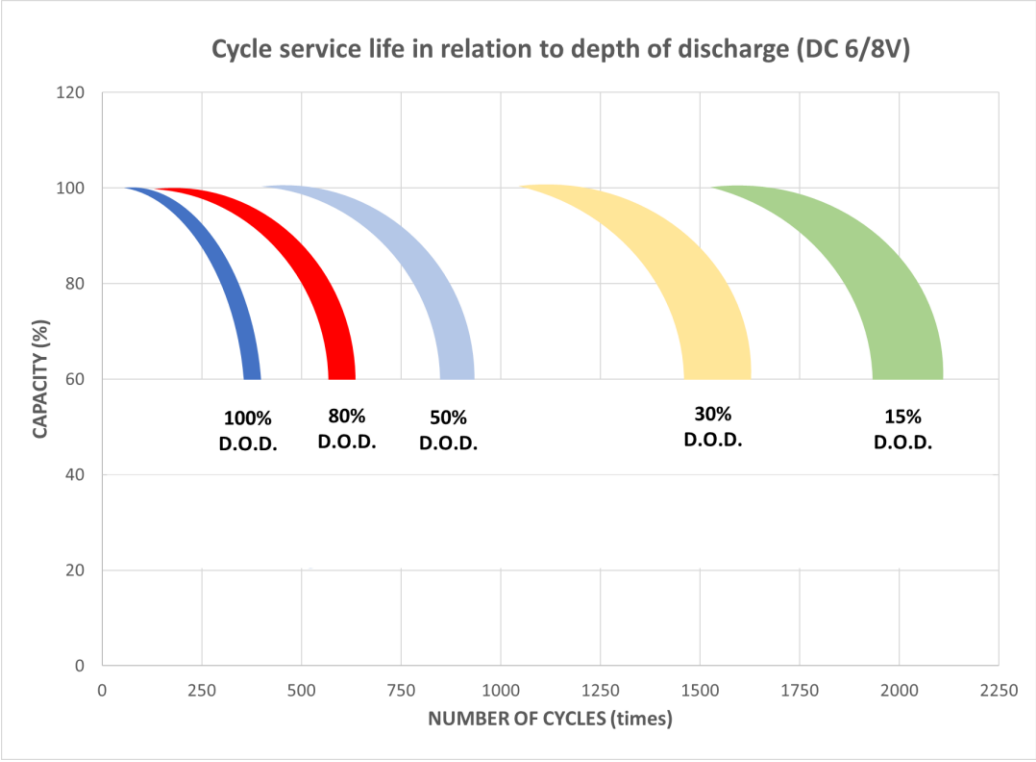
BATTERY DISCHARGE CURVES AT 25oC

DISCHARGE PERFORMANCE AT CONSTANT CURRENT DISCHARGE (A)





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