

6 V 220 Ah (C₂₀) Deep Cycle Flooded Battery

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



Specifications:

- Nominal voltage: 6 V
- Rated capacity: 240 Ah (at C₂₀ and 25 °C)
- Plate technology: Antimony / Antimony
- Separator: Polyethylene
- 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 75% DoD: more than 1000
- PVES applications: more than 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	185 Ah	240 Ah	250 Ah	500 min / 208 Ah

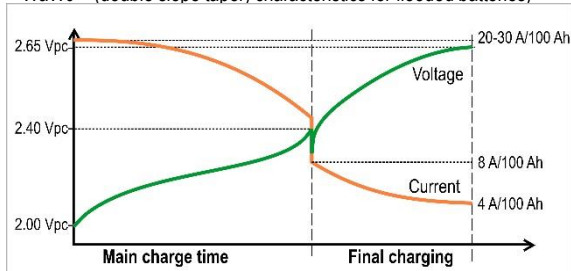
Temperature correction factor of discharge C₅ (5 h) capacity

Temperature	-10 °C	0 °C	10 °C	15 °C	20 °C	30 °C	40 °C
Correction factor	0.83	0.87	0.92	0.94	0.97	1.03	1.09

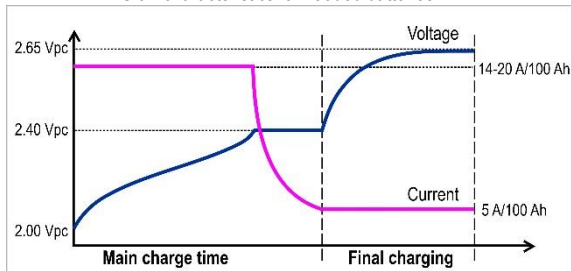
BATTERY CHARGE CONDITIONS

Charging profiles: WaW0 and IUla Charge factor: 1.10 – 1.20

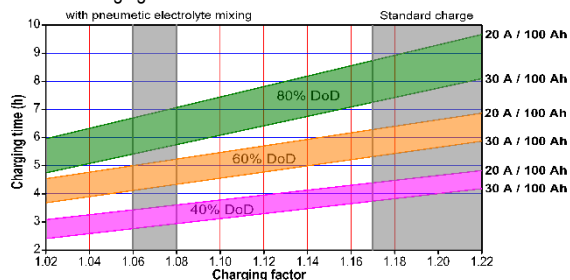
WaW0 – (double slope taper) characteristics for flooded batteries



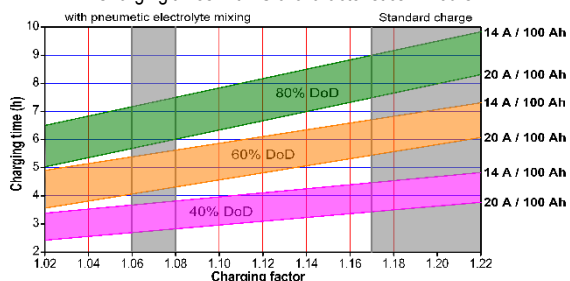
IUla – characteristics for flooded batteries



Charging times with WaW0-characteristics in hours



Charging times with IUla-characteristics in hours



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