

6 V 210 Ah (C₂₀) Deep Cycle Flooded Battery

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 | 27,30 kg | 60,19 lbs |



Specifications:

- Nominal voltage: 6 V
- Rated capacity: 210 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: Bolted
- Carrying Handles: Available
- Cycles at 75% DoD: more than 1000
- PVES applications: more than 2000 cycles

Performance characteristics:

BATTERY DISCHARGE PERFORMANCE AT 25°C

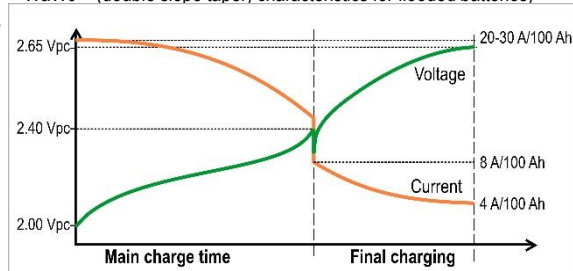
| Discharge rate | C ₅ (5 h) | C ₂₀ (20 h) | C ₁₀₀ (100 h) | Capacity at 25 A |
|--------------------------|----------------------|------------------------|--------------------------|------------------|
| End of discharge voltage | 5,10 V | 5,25 V | 5,40 V | 5,25 V |
| Discharge capacity | 175 Ah | 210 Ah | 230 Ah | 430 min / 179 Ah |

| Temperature correction factor of discharge C ₅ (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 |

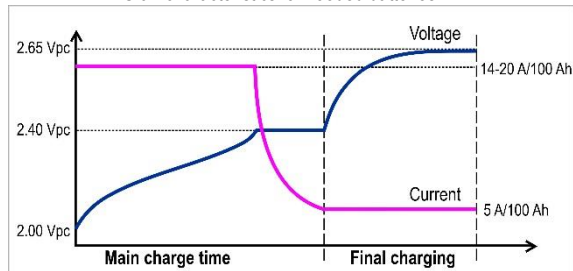
BATTERY CHARGE CONDITIONS

Charging profiles: WaW0 and IU1a Charge factor: 1.10 – 1.20

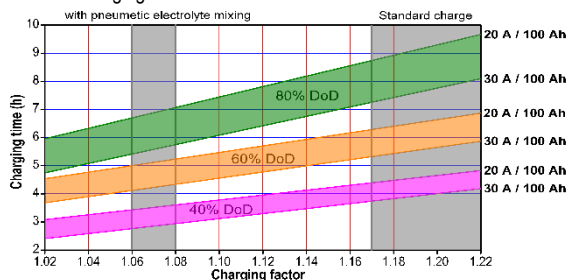
WaW0 – (double slope taper) characteristics for flooded batteries



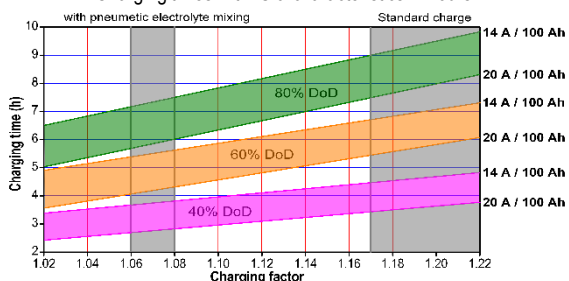
IU1a – characteristics for flooded batteries



Charging times with WaW0-characteristics in hours



Charging times with IU1a-characteristics in hours



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