

TECHNICAL DATA SHEET

9.180.1



Applications



CYCLIC



SOLAR



MARINE

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 C_{20} and 25 °C)
- Plate technology: Antimony / Antimony
- Separator: Polyethylene
- Electrolyte: Sulphuric acid (SG 1,25)
- 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

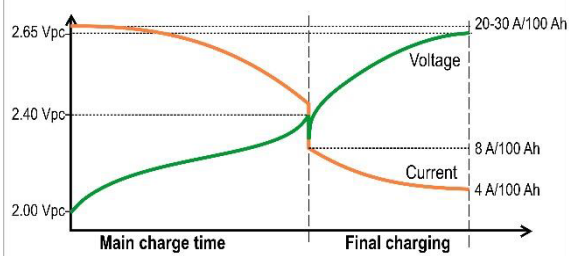
Temperature correction factor of discharge C_5 (5 h) capacity

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

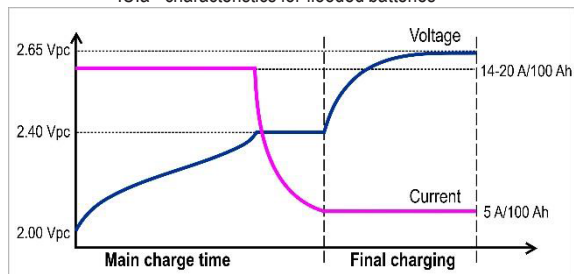
BATTERY CHARGE CONDITIONS

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

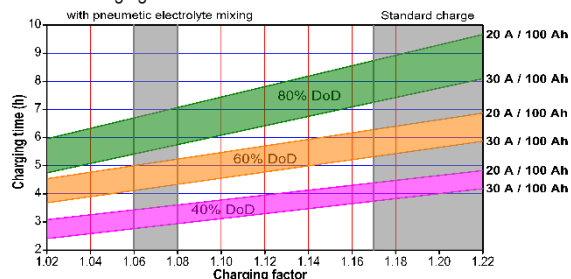
WaW0 – (double slope taper) characteristics for flooded batteries



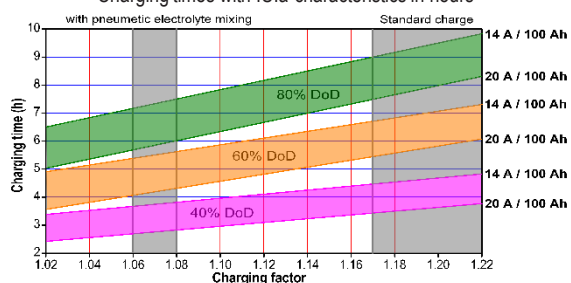
IUla – characteristics for flooded batteries



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.