

TECHNICAL DATA SHEET

9.680.1

Applications



CYCLIC



SOLAR



MARINE

PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	518 mm	20.2 inch
Width	274 mm	10.8 inch
Height	242 mm	7.9 inch
Typical weight	59 kg	130.07 lbs

Specifications :

- Nominal voltage: 12 V
- Rated capacity: 230 Ah (at C_{20} and 30 °C)
- Plate technology: Antimony / Antimony
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: Flat
- Terminal type: Top / Automotive
- Carrying Handles: Available
- Cycles at 50% DoD: up to 400 cycles
- PVES applications: up to 800 cycles

Performance characteristics:

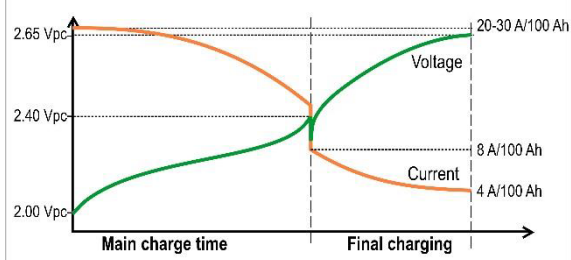
BATTERY DISCHARGE PERFORMANCE AT 25°C

Discharge rate		C ₅ (5 h)	C ₂₀ (20 h)	C ₁₀₀ (100 h)	Capacity at 25 A		
End of discharge voltage		10.20 V	10.50 V	10.80 V	10.50 V		
Discharge capacity		190 Ah	230 Ah	253 Ah	460 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	0.76	0.82	0.94	0.97	1.00	1.03	1.06

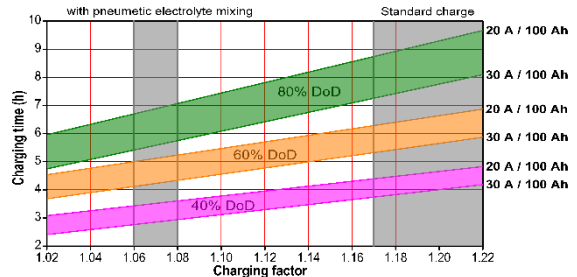
BATTERY CHARGE CONDITIONS (according DIN 41773 and DIN 41774)

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

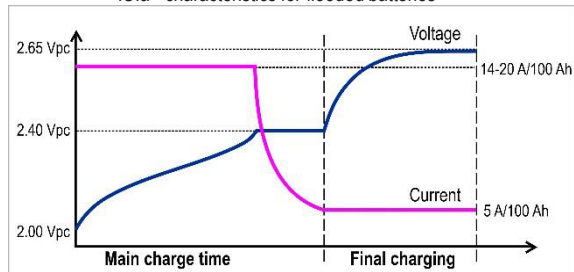
WaW0 – (double slope taper) characteristics for flooded batteries



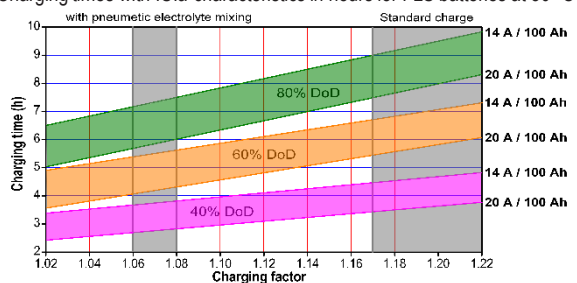
Charging times with WaW0-characteristics in hours for PzS batteries at 30 °C



IUla –characteristics for flooded batteries



Charging times with IUla-characteristics in hours for PzS batteries at 30 °C



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