

TECHNICAL DATA SHEET

9.635.1

Applications



CYCLIC



SOLAR



MARINE

PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	513 mm	20.2 inch
Width	223 mm	8.4 inch
Height	223 mm	8.7 inch
Typical weight	47.5 kg	104.72 lbs

Specifications :

- Nominal voltage: 12 V
- Rated capacity: 180 Ah (at C₂₀ 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:

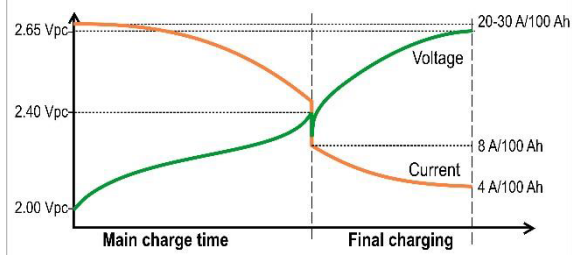
BATTERY DISCHARGE PERFORMANCE AT 25°C

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		155 Ah	180 Ah	198 Ah	365 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

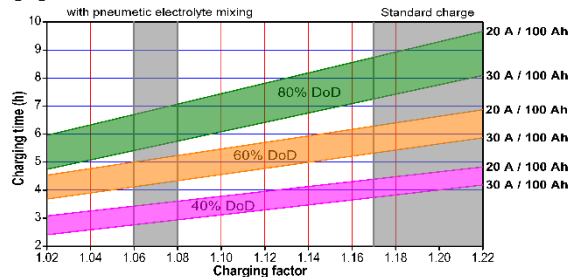
BATTERY CHARGE CONDITIONS (according DIN 41773 and DIN 41774)

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

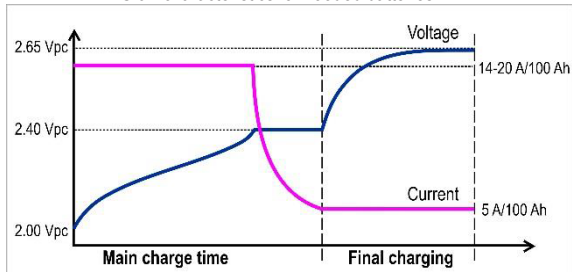
WaW0 – (double slope taper) characteristics for flooded batteries



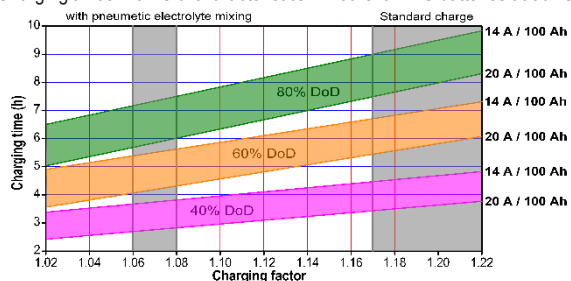
Charging times with WaW0-characteristics in hours for PzS batteries at 30 °C



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.