SEMI TRACTION

PHYSICAL CHARACTERISTICS		
	SI Units	**US Units**
Length	353 mm	13.9 inch
Width	175 mm	6.9 inch
Height	190 mm	7.5 inch
Typical weight	23,20 kg	51,15 lbs

95751 - 12V 90 Ah (C_{20})



Specifications:

- Nominal voltage: 12 V
- Rated capacity: 90 Ah (at C_{20} and 30 °C)
- Plate technology: Calcium / Calcium
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: SMF
- Terminal type: Top / Automotive
- Carrying Handles: Available
- Cycles at 50% DoD: up to 400 cycles
- PVES applications: up to 800 cycles

Performance characteristics:

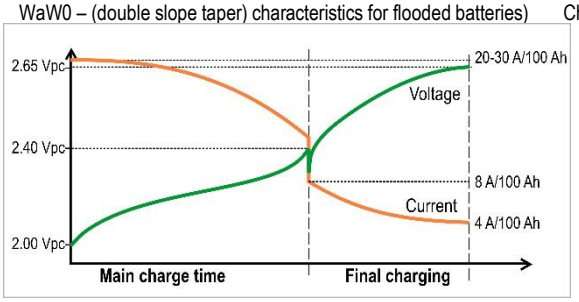
BATTERY DISCHARGE PERFORMANCE AT 25°C				
Discharge rate	**C_5 (5 h)**	**C_{20} (20 h)**	**C_{100} (100 h)**	**Capacity at 25 A**
End of discharge voltage	10.20 V	10.50 V	10.80 V	10.50 V
Discharge capacity	75 Ah	90 Ah	100 Ah	160 min

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

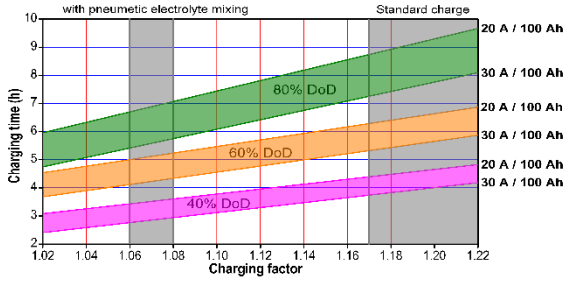
BATTERY CHARGE CONDITIONS (according DIN 41773 and DIN 41774)

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

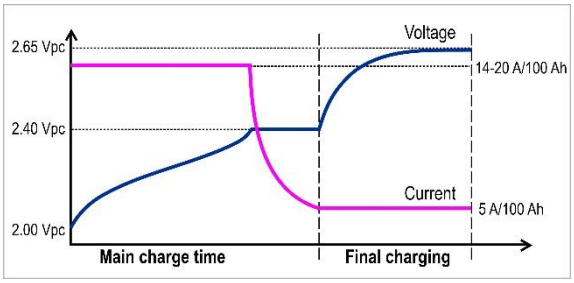
WaW0 – (double slope taper) characteristics for flooded batteries



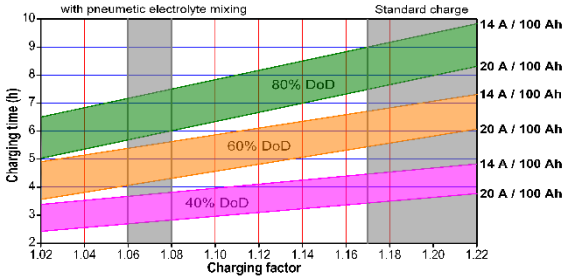
Charging times with WaW0-characteristics in hours for PzS batteries at 30 °C



IUIa –characteristics for flooded batteries



Charging times with IUIa-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.

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