

12 V 155 Ah (C₅) Light Traction Flooded Battery

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 kg	103.62 lbs



Specifications:

- Nominal voltage: 12 V
- Rated capacity: 155 Ah (at C₅ and 30 °C)
- Plate technology: Antimony / Antimony
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 60254; IEC 60095; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: Flat
- Terminal type: Top / Automotive
- Carrying Handles: Available
- Cycles at 75% DoD: more than 400
- PVES applications: more than 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	155 Ah	180 Ah	190 Ah	365 min / 152.08 Ah

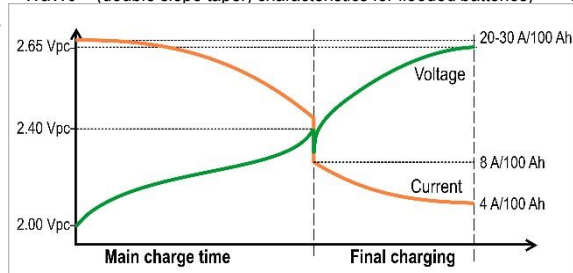
Temperature correction factor of discharge C₅ (5 h) capacity

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

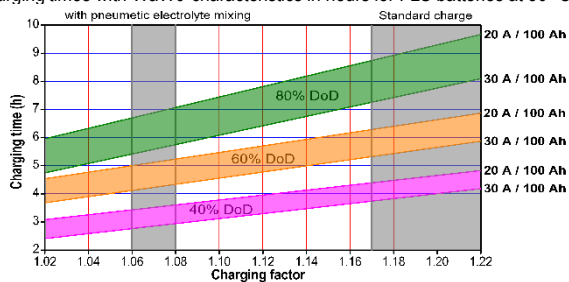
BATTERY CHARGE CONDITIONS (according DIN 41773 and DIN 41774)

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

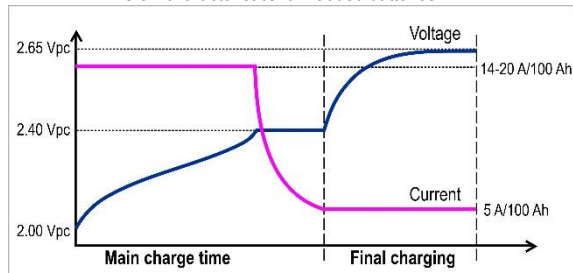
WaW0 – (double slope taper) characteristics for flooded batteries



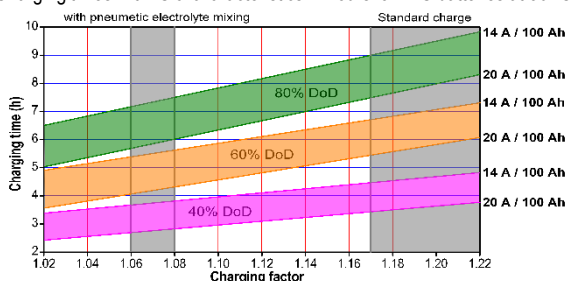
Charging times with WaW0-characteristics in hours for PzS batteries at 30 °C



IU1a –characteristics for flooded batteries



Charging times with IU1a-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.