

12 V 60Ah (C₅) Light Traction Flooded Battery

PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	278 mm	11 inch
Width	175 mm	6.9 inch
Height	190 mm	7.5 inch
Typical weight	18.2 kg	40.12 lbs



Specifications:

- Nominal voltage: 12 V
- Rated capacity: 60 Ah (at C₅ and 30 °C)
- Plate technology: Antimony / Calcium
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 60254; IEC 60095; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: SMF
- 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	60 Ah	75 Ah	80 Ah	130 min / 54.1 Ah

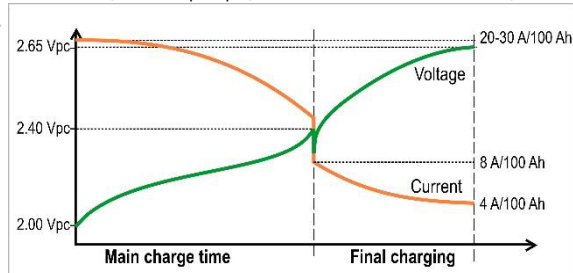
Temperature correction factor of discharge C₅ (5 h) capacity

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

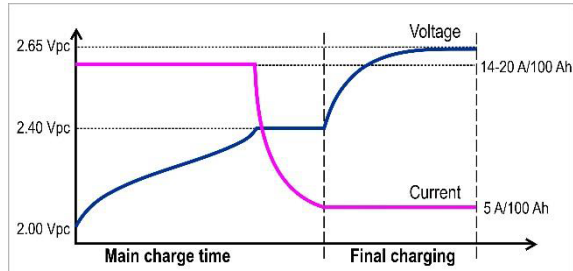
BATTERY CHARGE CONDITIONS (according DIN 41773 and DIN 41774)

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

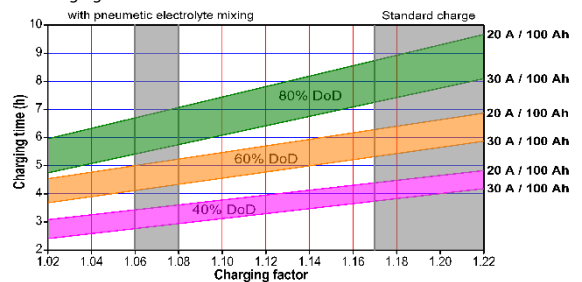
WaW0-(double slope taper) characteristics for flooded batteries)



IU1a-characteristics for flooded batteries



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



Charging times with IU1a-characteristics in hours for PzS batteries at 30°C

