

12 V 120 Ah (C₅) Light Traction Flooded Battery

PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	344 mm	13.54 inch
Width	172 mm	6.77 inch
Height	262 mm	10.31 inch
Typical weight	37.3 kg	82.23 lbs



Specifications:

- Nominal voltage: 12 V
- Rated capacity: 120 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

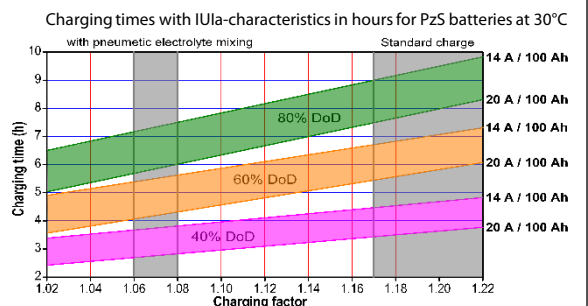
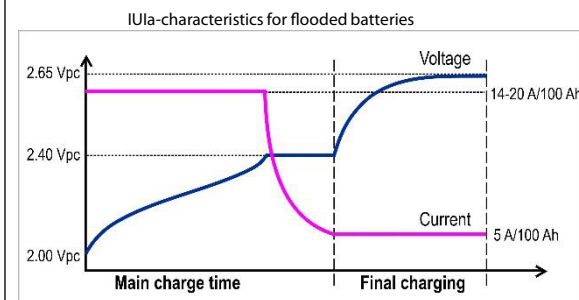
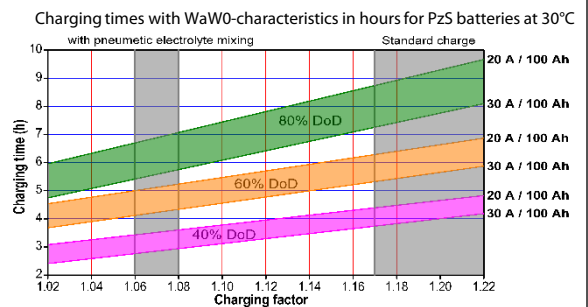
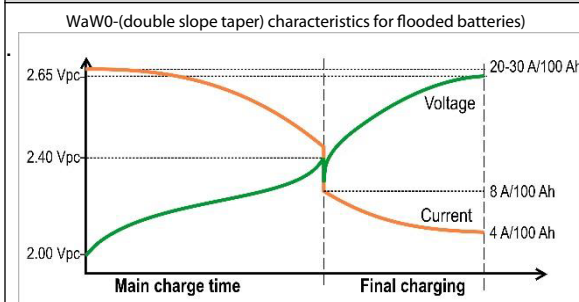
Discharge rate	C ₅ (5 h)	C ₂₀ (20 h)	C ₁₀₀ (100 h)	Capacity at 25 A
End of discharge voltage	10.20 V	10.50 V	10.80 V	10.50 V
Discharge capacity	120 Ah	140 Ah	150 Ah	270 min / 112.5 Ah

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 (acc. DIN 41773, DIN 41774 and ZVEI recommendations)

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



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