



SEMI TRACTION
UTILITY, SOLAR & MARINE

PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	304 mm	12 inch
Width	175 mm	6.8 inch
Height	220 mm	8.7 inch
Typical weight	23.7 kg	52.25 lbs

95752 - 12V 100 Ah (C₂₀)



Your supplier
GACELL
The right battery
GACELL A/S - Sletten 17 - 7500 Holstebro - DK
+45 961 02 961 - www.gacell-power.dk

Specifications:

- Nominal voltage: 12 V
- Rated capacity: 100 Ah (at C₂₀ and 30 °C)
- Plate technology: Antimony / Calcium
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: MF
- 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	80 Ah	100 Ah	110 Ah	182 min

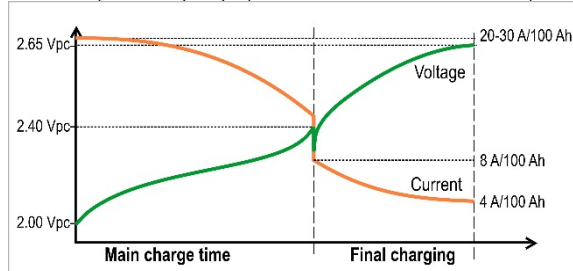
Temperature correction factor of discharge C₅ (5 h) capacity

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

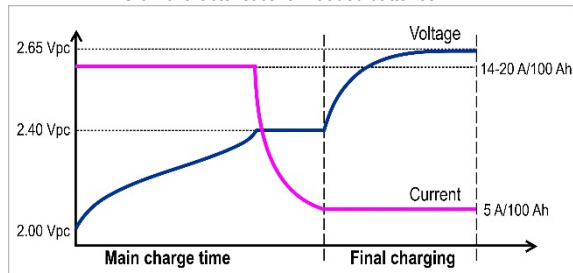
BATTERY CHARGE CONDITIONS (according DIN 41773 and DIN 41774)

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

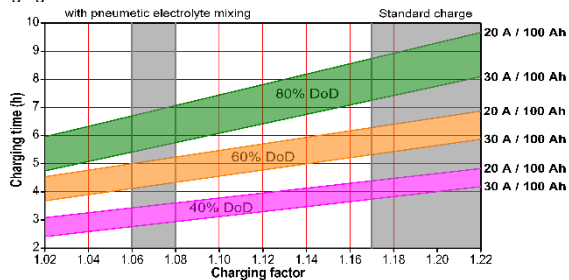
WaW0 – (double slope taper) characteristics for flooded batteries



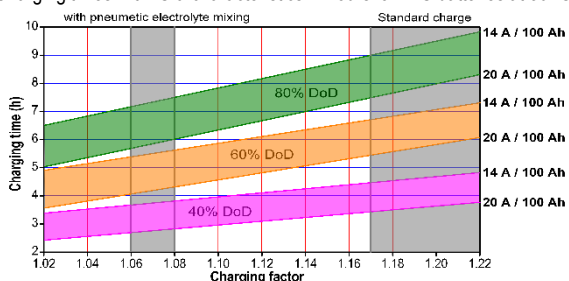
IU1a – characteristics for flooded batteries



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



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