



SEMI TRACTION

UTILITY, SOLAR & MARINE

PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	345 mm	13.6 inch
Width	175 mm	6.9 inch
Height	230 mm	9.1 inch
Typical weight	26.0 kg	57.32 lbs

95804 - 12V 105 Ah (C₂₀)



Your supplier
GACELL®
The right battery

GACELL A/S · Skotten 17 · 7500 Holstebro · DK
+45 961 02 961 · www.gacell-power.dk

Specifications:

- Nominal voltage: 12 V
- Rated capacity: 105 Ah (at C₂₀ 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: Kamina
- Terminal type: Top / Automotive
- Carrying Handles: Available
- Cycles at 50% DoD: up to 400 cycles
- PVES applications: up to 800 cycles

Performance characteristics:

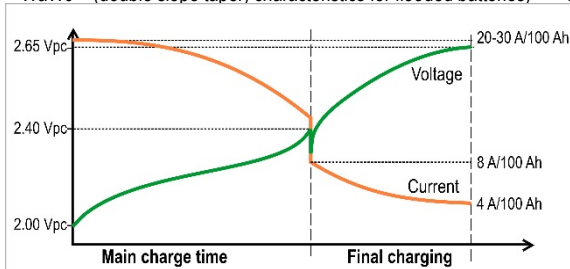
BATTERY DISCHARGE PERFORMANCE AT 25°C

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		90 Ah	105 Ah	115 Ah	192 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

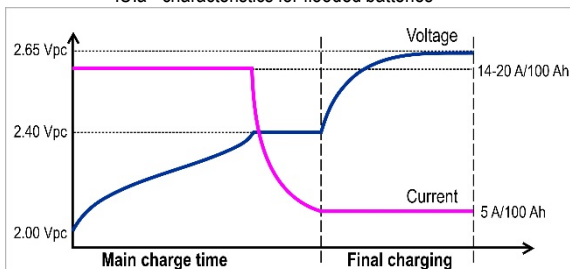
BATTERY CHARGE CONDITIONS (according DIN 41773 and DIN 41774)

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

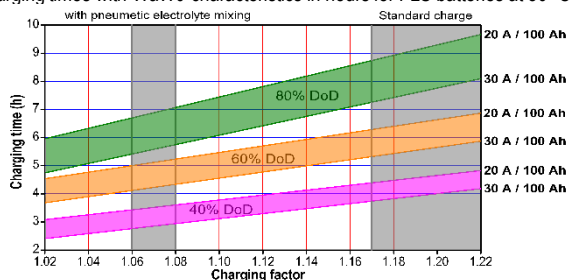
WaW0 – (double slope taper) characteristics for flooded batteries



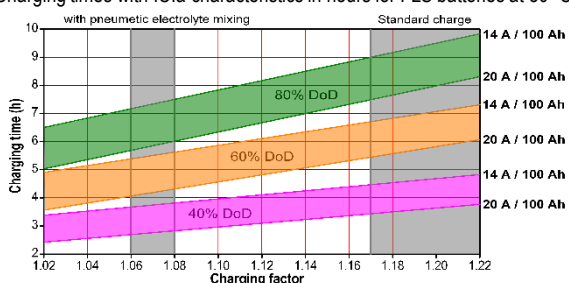
IU1a – characteristics for flooded batteries



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.