



**DEEP CYCLE**  
PROFESSIONAL

**GR27 12V DC-95 Ah (C<sub>20</sub>)**



PHYSICAL CHARACTERISTICS		
	SI Units	US Units
Length	304 mm	12 inch
Width	173 mm	6.8 inch
Height	220 mm	8.7 inch
Typical weight	24,4 kg	53.8 lbs

**Specifications:**

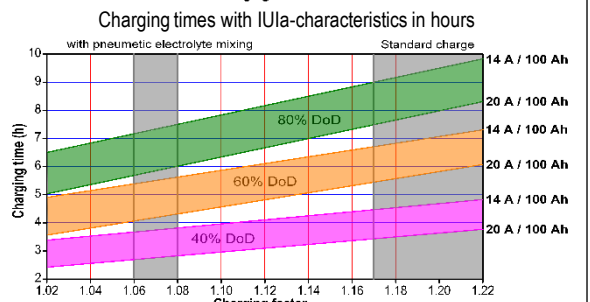
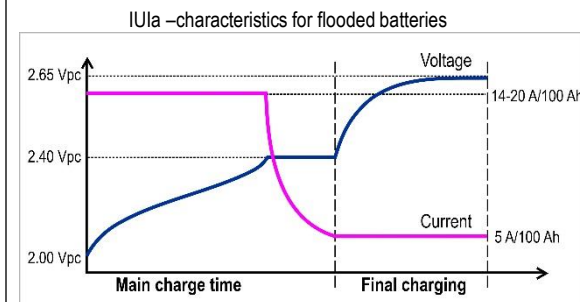
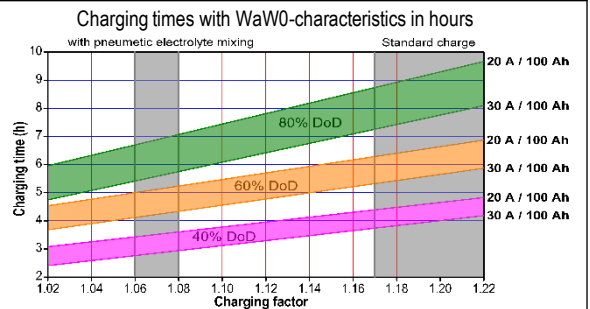
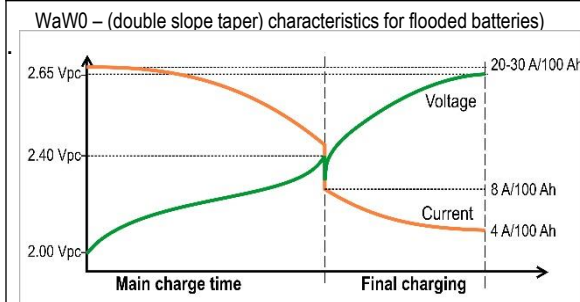
- Nominal voltage: 12 V
- Rated capacity: 95 Ah (at C<sub>20</sub> and 25 °C)
- Plate technology: Antimony / Calcium
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: Flat
- Terminal type: Dual/Bolted
- Carrying Handles: Available
- Cycles at 50% DoD: up to 400 cycles
- PVES applications: up to 900 cycles

**Performance characteristics:**

BATTERY DISCHARGE PERFORMANCE AT 25°C							
Discharge rate	C <sub>5</sub> (5 h)	C <sub>20</sub> (20 h)	C <sub>100</sub> (100 h)	Capacity at 25 A			
End of discharge voltage	5,10 V	5,25 V	5,40 V	5,25 V			
Discharge capacity	75 Ah	95 Ah	105 Ah	170 min			
Temperature correction factor of discharge C <sub>5</sub> (5 h) capacity							
Temperature	-10 °C	0 °C	10 °C	15 °C	20 °C	30 °C	40 °C
Correction factor	0.83	0.87	0.92	0.94	0.97	1.03	1.09

**BATTERY CHARGE CONDITIONS**

**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.**