



DEEP CYCLE
PROFESSIONAL

PHYSICAL CHARACTERISTICS		
	SI Units	US Units
Length	261 mm	10,28 inch
Width	181 mm	7,13 inch
Height	276 mm	10,87 inch
Typical weight	31,40 kg	69,22 lbs

8V US DC-175 Ah (C₂₀)



Specifications:

- Nominal voltage: 8 V
- Rated capacity: 175 Ah (at C₂₀ and 25 °C)
- Plate technology: Antimony / Antimony
- Separator: Polyethylene
- Electrolyte: Sulphuric acid (SG 1,25)
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: Flat
- Terminal type: Dual
- Carrying Handles: Available
- Cycles at 50% DoD: up to 900 cycles
- PVES applications: up to 2000 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	5,10 V	5,25 V	5,40 V	5,25 V			
Discharge capacity	145 Ah	175 Ah	195 Ah	350 min			
Temperature correction factor of discharge C ₅ (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

WaW0 – (double slope taper) characteristics for flooded batteries

IU1a – characteristics for flooded batteries

Charging times with WaW0-characteristics in hours

Charging times with IU1a-characteristics in hours

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