



## DEEP CYCLE

  
PROFESSIONAL

| PHYSICAL CHARACTERISTICS |          |            |
|--------------------------|----------|------------|
|                          | SI Units | US Units   |
| Length                   | 260 mm   | 10,28 inch |
| Width                    | 180 mm   | 7,13 inch  |
| Height                   | 276 mm   | 10,87 inch |
| Typical weight           | 31,40 kg | 69,22 lbs  |

## 8V US DC-175 Ah (C<sub>20</sub>)

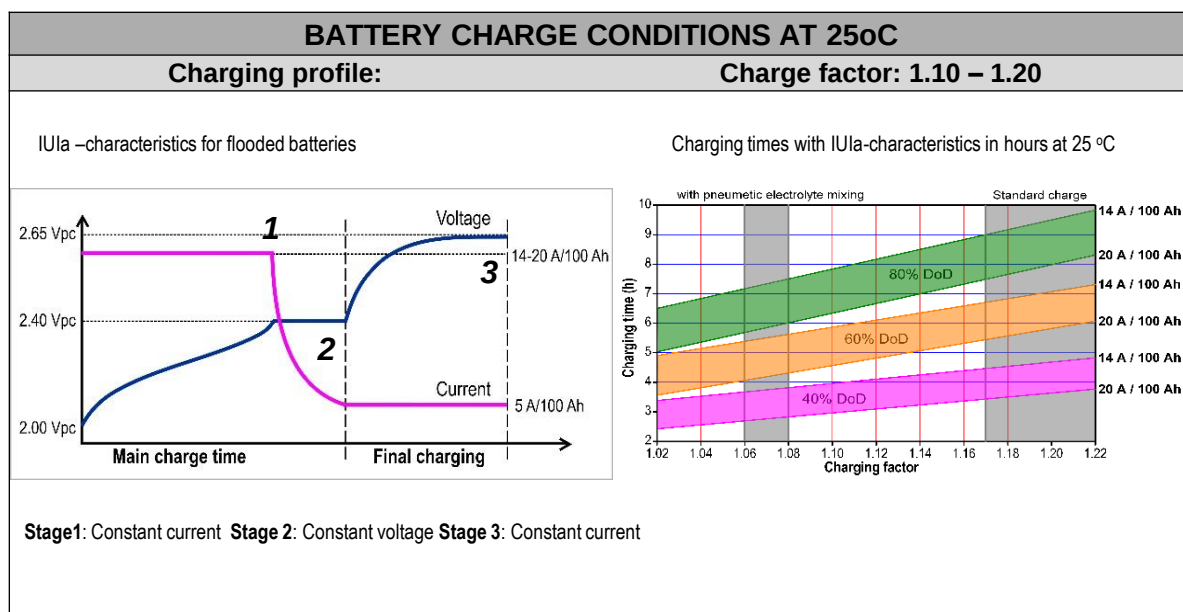


### Specifications:

- Nominal voltage: 8 V
- Rated capacity: 175 Ah (at C<sub>20</sub> and 25 °C)
- Plate technology: Antimony / Antimony
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid (SG 1,28) OCV 6.35V
- 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:

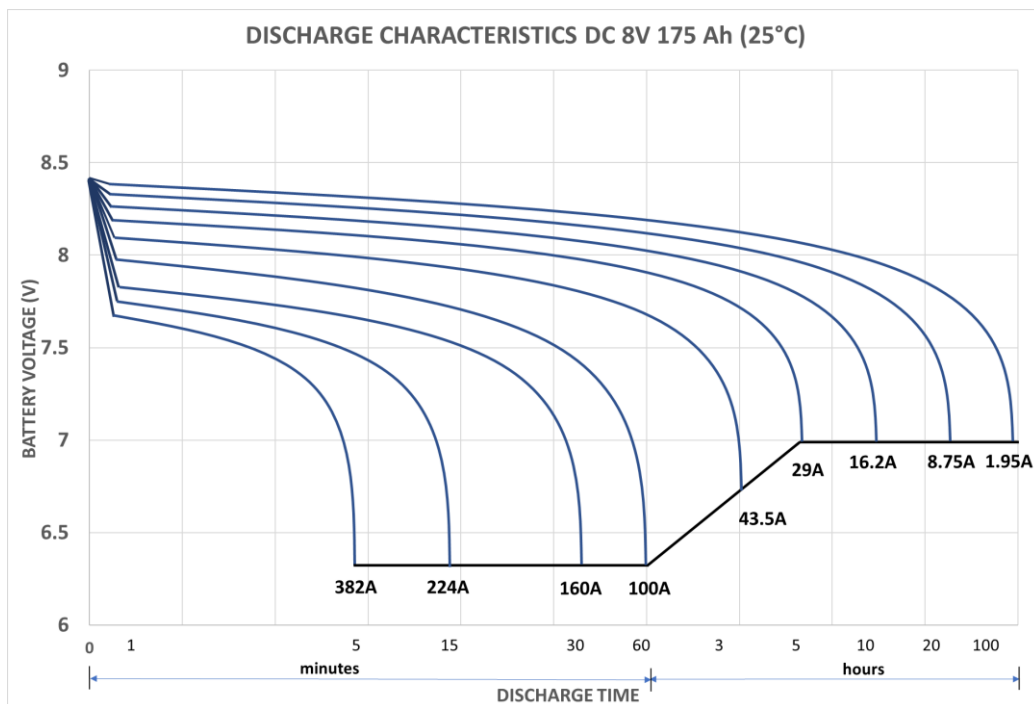
| BATTERY DISCHARGE PERFORMANCE AT 25°C                                    |        |                      |                        |                          |                  |       |       |
|--------------------------------------------------------------------------|--------|----------------------|------------------------|--------------------------|------------------|-------|-------|
| Discharge rate                                                           |        | C <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                                                 |        | 6,8 V                | 7 V                    | 7,2 V                    | 7 V              |       |       |
| Discharge capacity                                                       |        | 145 Ah               | 175 Ah                 | 195 Ah                   | 350 min          |       |       |
| Temperature correction factor of discharge C <sub>5</sub> (5 h) capacity |        |                      |                        |                          |                  |       |       |
| Temperature                                                              | -10 °C | 0 °C                 | 20 °C                  | 25 °C                    | 30 °C            | 35 °C | 40 °C |
| Correction factor                                                        | 0.80   | 0.88                 | 0.98                   | 1.00                     | 1.03             | 1.05  | 1.07  |



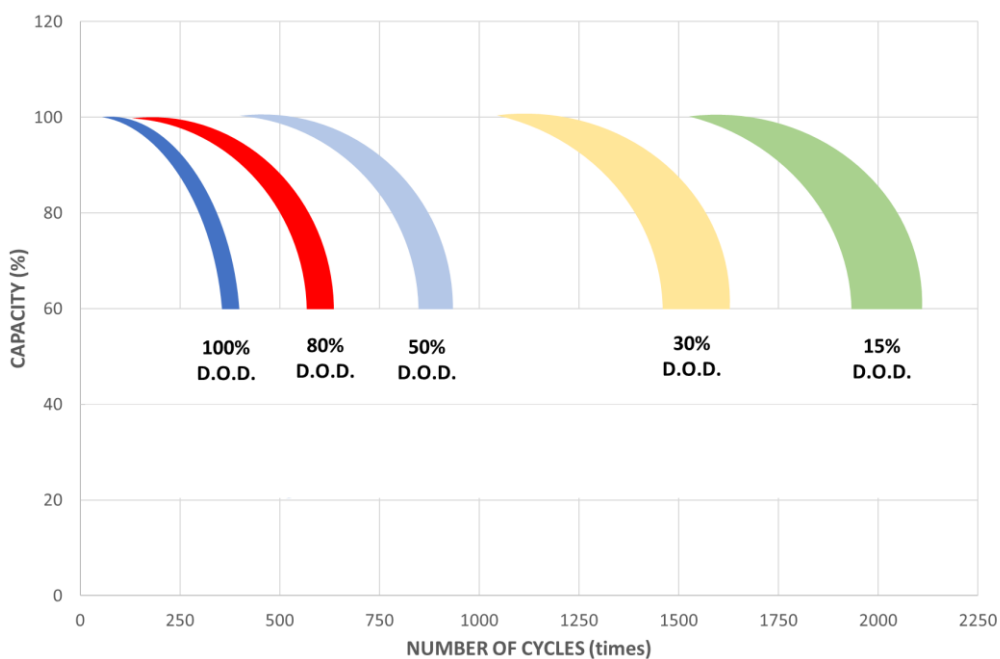
**It is mandatory to check the electrolyte level every 3 months and top up with deionized water to the markings.**

**BATTERY DISCHARGE CURVES AT 25°C**

**DISCHARGE PERFORMANCE AT CONSTANT CURRENT DISCHARGE (A)**



**Cycle service life in relation to depth of discharge (DC 6/8V)**



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