

## UP-MP SERIES

# UP-MP 6VUS

6V 225 Ah (C<sub>20</sub>)

## DEEP CYCLE BATTERIES



### 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 | 29,13 kg | 64,22 lbs  |

### SPECIFICATIONS

|                  |                                      |                     |                   |
|------------------|--------------------------------------|---------------------|-------------------|
| Nominal Voltage  | 6V                                   | Case / Lid Material | Polypropylene     |
| Rated Capacity   | 225 Ah (at C <sub>20</sub> and 25°C) | Lid Type            | Flat              |
| Plate Technology | Antimony / Antimony                  | Terminal Type       | Bolted            |
| Separator        | Polyethylene                         | Carrying Handles    | Available         |
| Electrolyte      | Sulphuric acid; analytical grade     | Cycles at 75% DoD   | Up to 1000 cycles |
| Standards        | IEC 60254; IEC 61427                 | PVES Applications   | Up to 2000 cycles |

### PERFORMANCE CHARACTERISTICS

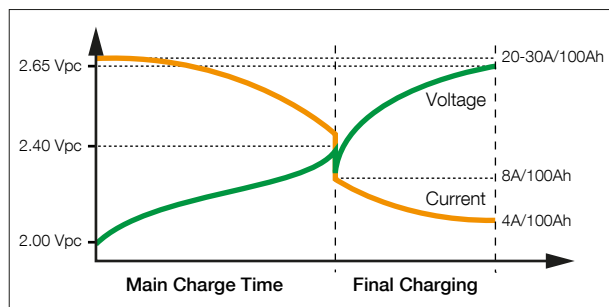
| Battery Discharge Performance at 25°C                                   |                     |      |                       |      |                         |      |                  |
|-------------------------------------------------------------------------|---------------------|------|-----------------------|------|-------------------------|------|------------------|
| Discharge Rate                                                          | C <sub>5</sub> (5h) |      | C <sub>20</sub> (20h) |      | C <sub>100</sub> (100h) |      | Capacity at 25 A |
| End of discharge voltage                                                | 5,10 V              |      | 5,25 V                |      | 5,40 V                  |      | 5,25 V           |
| Discharge capacity                                                      | 185 Ah              |      | 225 Ah                |      | 248 Ah                  |      | 450 min / 188 Ah |
| Temperature Correction Factor of Discharge C <sub>5</sub> (5h) 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             |



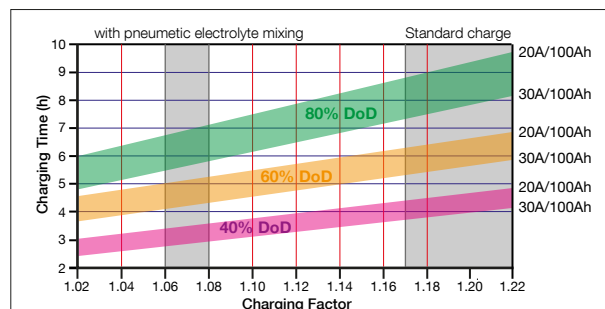
## Battery Charge Conditions

### Charging Profiles: WaW0 and IU1a Charge Factor: 1.10 - 1.20

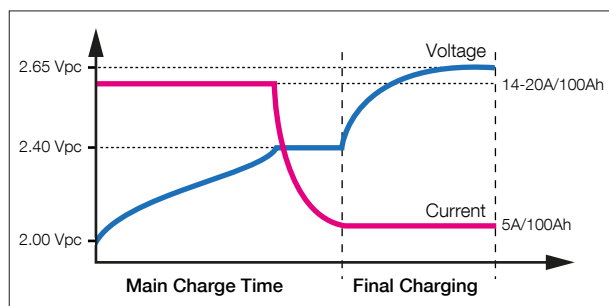
WaW0 – (double slope taper)  
characteristics for flooded batteries



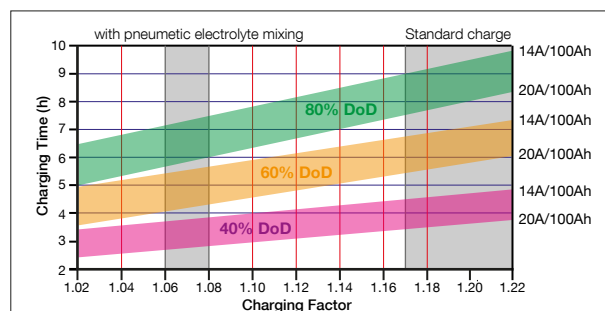
Charging times with WaW0 - characteristics in hours



IU1a – characteristics for flooded batteries



Charging times with IU1a - characteristics in hours



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

