

## 12 V 110Ah (C<sub>20</sub>) Deep Cycle Flooded Battery

### PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	336 mm	13.2 inch
Width	173 mm	6.8 inch
Height	235 mm	9.2 inch
Typical weight	28,4 kg	62.6 lbs



### Specifications:

- Nominal voltage: 12 V
- Rated capacity: 110 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: Double
- Terminal type: Top / Automotive
- Carrying Handles: Available
- Cycles at 75% DoD: more than 400
- PVES applications: more than 800 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	10.20 V	10.50 V	10.80 V	10.50 V
Discharge capacity	90 Ah	110 Ah	115 Ah	220 min / 92 Ah

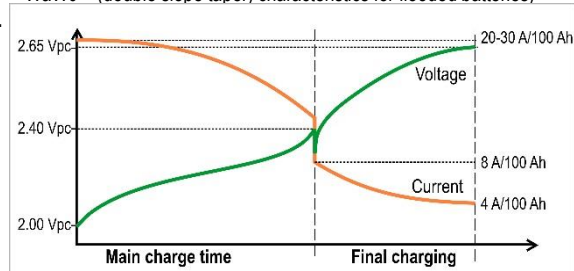
  

Temperature correction factor of discharge C <sub>20</sub> (20 h) capacity							
Temperature	-10 °C	0 °C	10 °C	15 °C	20 °C	30 °C	40 °C
Correction factor	0.83	0.87	0.92	0.94	0.97	1.03	1.09

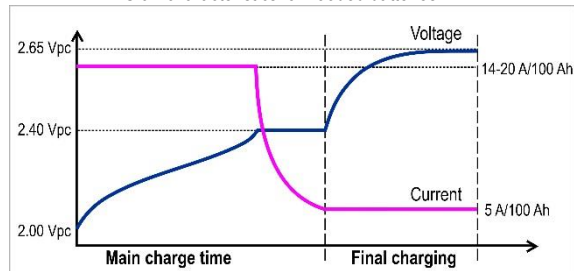
#### BATTERY CHARGE CONDITIONS

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

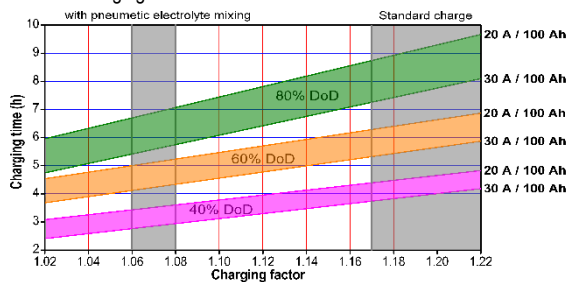
WaW0 – (double slope taper) characteristics for flooded batteries



IU1a – characteristics for flooded batteries



Charging times with WaW0-characteristics in hours



Charging times with IU1a-characteristics in hours

