

UP-MP SERIES

UP-MP 8VUS

8V 175 Ah (C₂₀)

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	31,19 kg	68,76 lbs

SPECIFICATIONS

Nominal Voltage	8V	Case / Lid Material	Polypropylene
Rated Capacity	175 Ah (at C ₂₀ 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

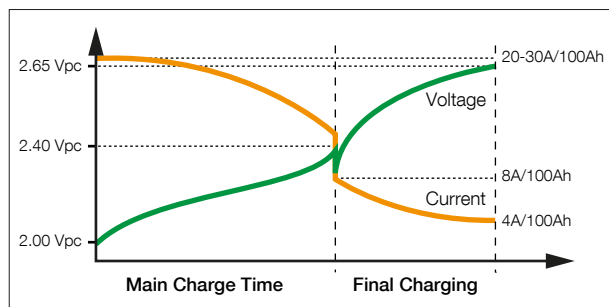
Battery Discharge Performance at 25°C							
Discharge Rate	C ₅ (5h)		C ₂₀ (20h)		C ₁₀₀ (100h)		Capacity at 25 A
End of discharge voltage	6,80 V		6,95 V		7,10 V		6,95 V
Discharge capacity	145 Ah		175 Ah		193 Ah		300 min / 125 Ah
Temperature Correction Factor of Discharge C ₅ (5h) Capacity							
Temperature	-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



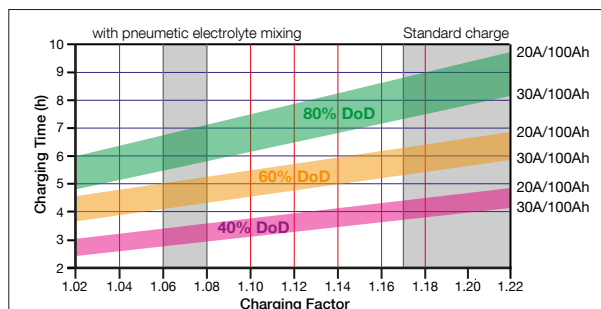
Battery Charge Conditions

Charging Profiles: WaW0 and IUla Charge Factor: 1.10 - 1.20

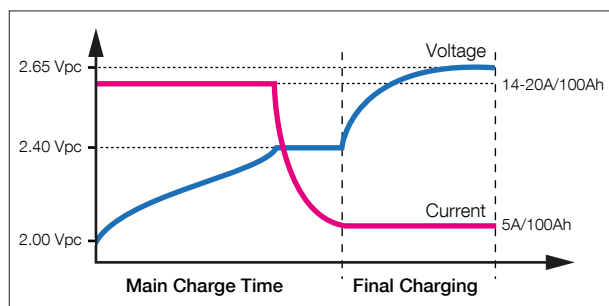
WaW0 – (double slope taper) characteristics for flooded batteries



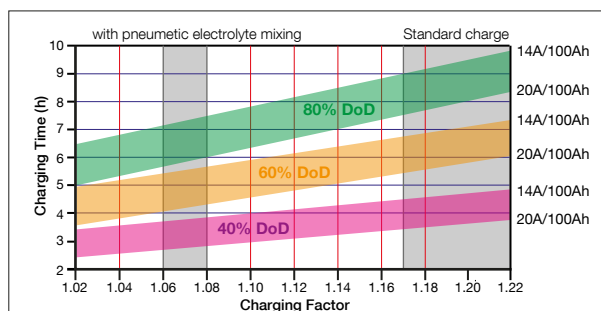
Charging times with WaW0 - characteristics in hours



IUla – characteristics for flooded batteries



Charging times with IUla - characteristics in hours



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

