

UP-MP SERIES

UP-MP 27DC

12V 95 Ah (C₂₀)

DEEP CYCLE BATTERIES



PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	304 mm	12,00 inch
Width	173 mm	6,80 inch
Height	220 mm	8,70 inch
Typical Weight	24,40 kg	53,80 lbs

SPECIFICATIONS

Nominal Voltage	12V	Case / Lid Material	Polypropylene
Rated Capacity	95 Ah (at C ₂₀ and 25°C)	Lid Type	Double / Flat
Plate Technology	Antimony / Calcium	Terminal Type	Dual Terminal
Separator	Polyethylene + glass mat	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

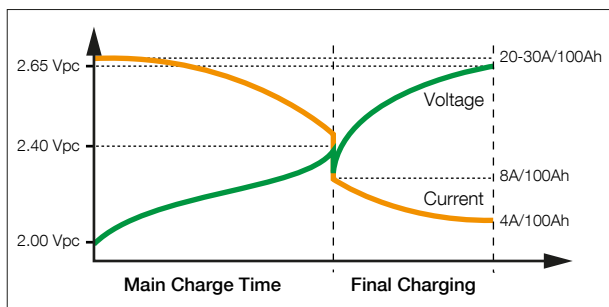
Battery Discharge Performance at 25°C							
Discharge Rate	C ₅ (5h)		C ₂₀ (20h)		C ₁₀₀ (100h)		Capacity at 25 A
End of discharge voltage	10,20 V		10,50 V		10,80 V		10,50 V
Discharge capacity	75 Ah		95 Ah		100 Ah		190 min / 80 Ah
Temperature Correction Factor of Discharge C ₂₀ (20h) Capacity							
Temperature	-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



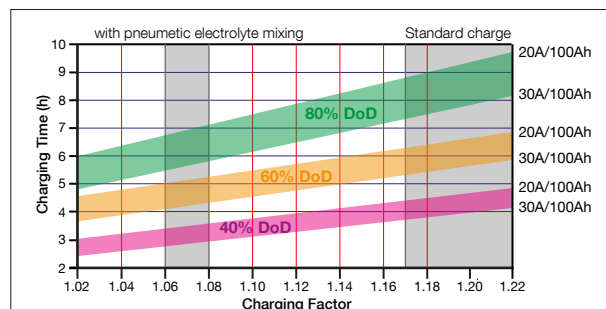
Battery Charge Conditions

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

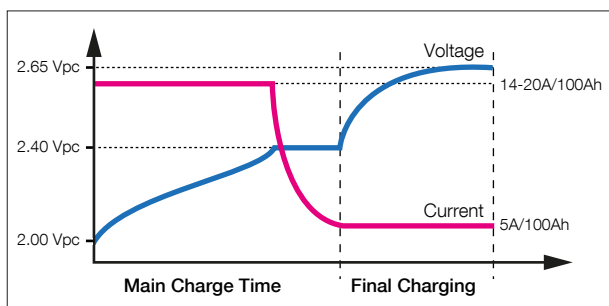
WaW0 – (double slope taper)
characteristics for flooded batteries



Charging times with WaW0 - characteristics in hours



IU1a – characteristics for flooded batteries



Charging times with IU1a - characteristics in hours

