

UP-MP SERIES

UP-MP 24DC

12V 80 Ah (C₂₀)

DEEP CYCLE BATTERIES



PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	260 mm	10,20 inch
Width	175 mm	6,90 inch
Height	220 mm	8,70 inch
Typical Weight	20,70 kg	45,60 lbs

SPECIFICATIONS

Nominal Voltage	12V	Case / Lid Material	Polypropylene
Rated Capacity	80 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

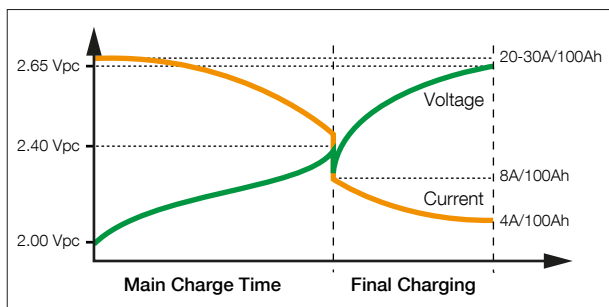
Battery Discharge Performance at 25°C															
Discharge Rate		C ₅ (5h)		C ₂₀ (20h)		C ₁₀₀ (100h)		Capacity at 25 A							
End of discharge voltage		10,20 V		10,50 V		10,80 V		10,50 V							
Discharge capacity		65 Ah		80 Ah		85 Ah		150 min / 63 Ah							
Temperature Correction Factor of Discharge 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	



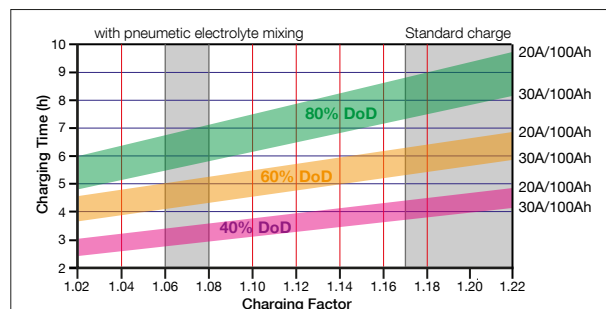
Battery Charge Conditions

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

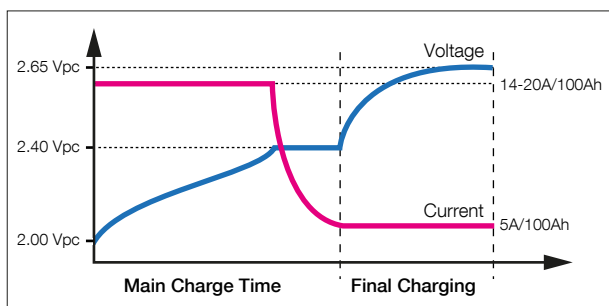
WaW0 – (double slope taper)
characteristics for flooded batteries



Charging times with WaW0 - characteristics in hours



IU1a – characteristics for flooded batteries



Charging times with IU1a - characteristics in hours

