

UP-MP SERIES

UP-MP 305

6V 360 Ah (C₂₀)

DEEP CYCLE BATTERIES



PHYSICAL CHARACTERISTICS

	SI Units	US Units
Length	311 mm	12,25 inch
Width	180 mm	7,09 inch
Height	356 mm	14,02 inch
Typical Weight	47,46 kg	104,63 lbs

SPECIFICATIONS

Nominal Voltage	6V	Case / Lid Material	Polypropylene
Rated Capacity	360 Ah (at C ₂₀ and 25°C)	Lid Type	Flat
Plate Technology	Antimony / Antimony	Terminal Type	Conical
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	5,10 V	5,25 V	5,40 V	5,25 V
Discharge capacity	295 Ah	360 Ah	396 Ah	833 min / 347 Ah

Temperature Correction Factor of Discharge C₅ (5h) Capacity

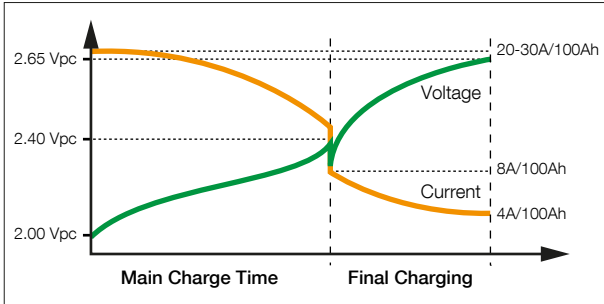
Temperature	-10°C	0°C	10°C	15°C	20°C	30°C	40°C
Correction factor	0.83	0.87	0.92	0.94	0.97	1.03	1.09



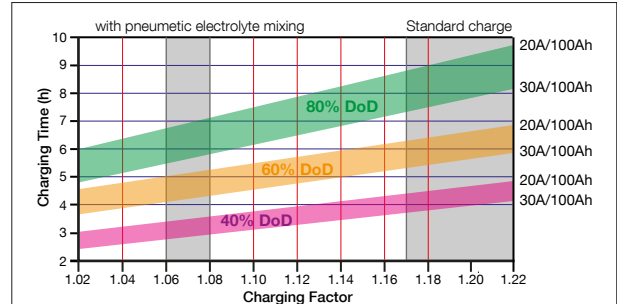
Battery Charge Conditions

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

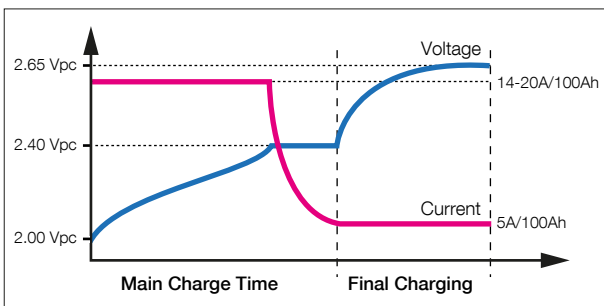
WaW0 – (double slope taper) characteristics for flooded batteries



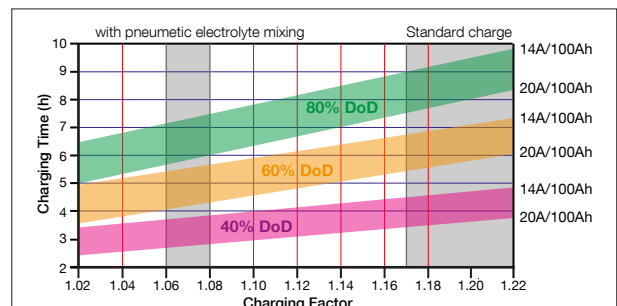
Charging times with WaW0 - characteristics in hours



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.

