

## TECHNICAL CHARACTERISTICS STV 96801N

### PHYSICAL CHARACTERISTICS

	SI Units	US Units
- Length	518 mm	20.2inch
- Width	274 mm	10.8inch
- Height	242 mm	7.9inch
- Typical weight	58kg	127.87lbs



### SPECIFICATIONS

- Nominal voltage: 12V
- Rated capacity: 230 Ah(at C20 and 30 oC)
- Plate technology: Antimony/ Antimony
- Separator: Polyethylene + glass mat
- Electrolyte: Sulphuric acid; analytical grade
- Standards: IEC 60254; IEC 61427
- Case / Lid material: Polypropylene
- Lid type: Flat
- Terminal type: Top / Automotive
- Carrying Handles: Available
- Cycles at 50% DoD: up to 400 cycles
- PVES applications: up to 800 cycles

### PERFORMANCE CHARACTERISTICS

Discharge rate	C5(5 h)	C20(20 h)	C100(100 h)	Capacity at 25 A			
End of discharge voltage	10.20 V	10.50 V	10.80 V	10.50 V			
Discharge capacity	190 Ah	230 Ah	253 Ah	460 min			
Temperature correction factor of discharge C5(5 h) capacity							
Temperature	-10 oC	0 oC	20 oC	25 oC	30 oC	35 oC	40 oC
Correction factor	0.76	0.82	0.94	0.97	1.00	1.03	1.06



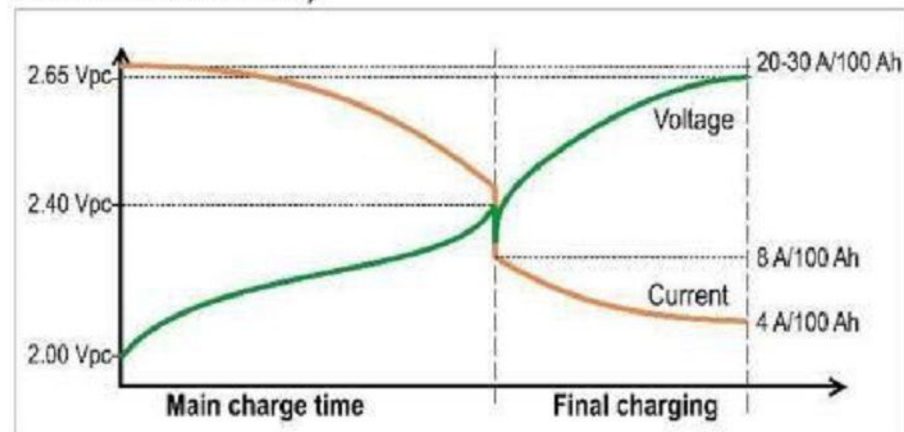
# SEMI-TRACTION



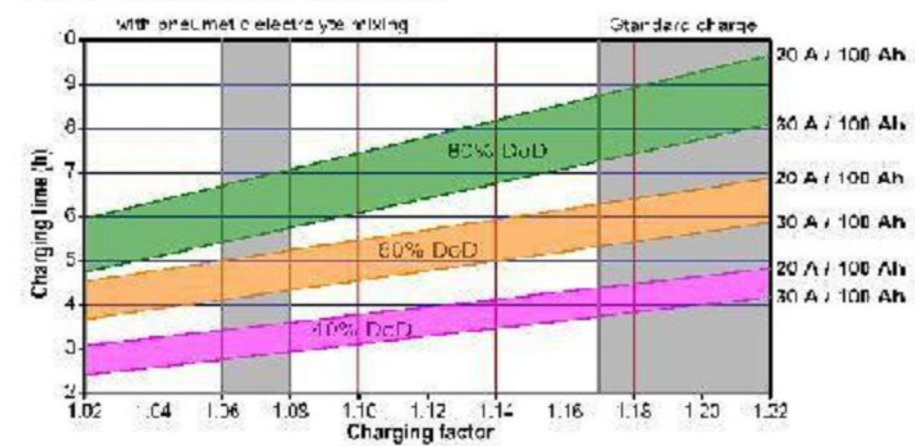
## BATTERY CHARGE CONDITIONS (according DIN 41773 and DIN 41774)

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

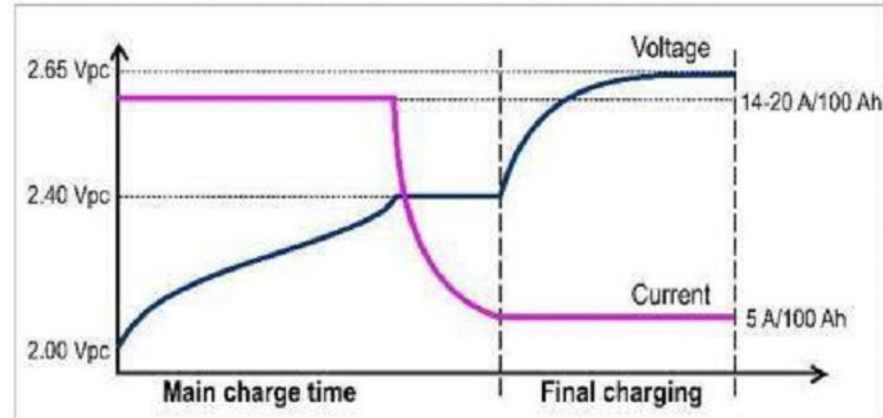
WaW0 –(double slope taper) characteristics for flooded batteries)



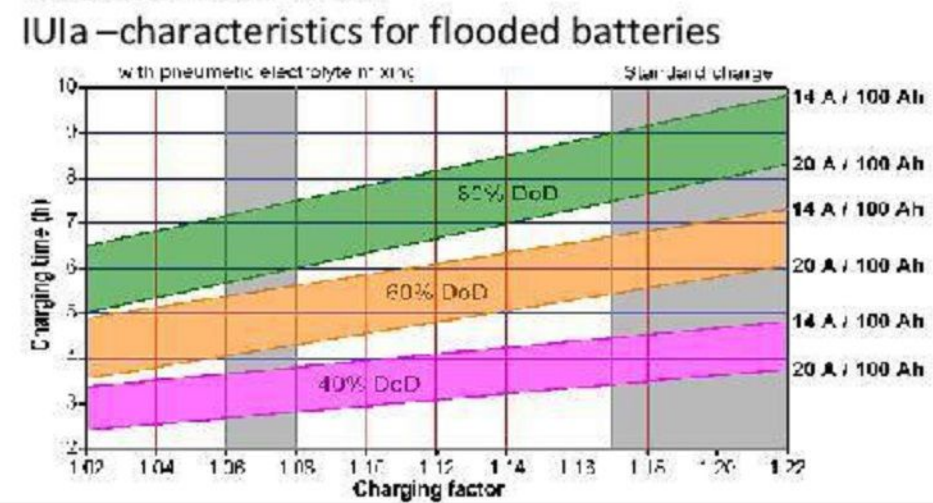
Charging times with WaW0-characteristics in hours for PzS batteries at 30 oC



IU1a –characteristics for flooded batteries



Charging times with IU1a-characteristics in hours for PzS batteries at 30 oC



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



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