



8STA100 – 8OPzS800

DIMENSIONALS FEATURES

Nominal Voltage		2V		Stationary Cell flooded (OPzS) Box Material: SAN transparent Lid Material: ABS grey color Positive tubular and negative flat plates Separators with low electric resistance Copper Connection (Cu) section: 3x30mm Standard: CEI EN 60896 Part 11 EN 50272-2 Life time: 20 years
Nominal Capacity (10 hours)		800Ah (1,80Vfin) at 20°C		
Dimensions	Lenght	210 ±2mm		
	Width	191 ±2mm		
	Box Height	646 ±2mm		
	Total Height	723 ±2mm		
Technical Drawing n°4 00402-0		Weight 61,9 Kg ± 5%		
Screw Terminals: M10 female		Material: brass with protective treatment		

ELECTRIC FEATURES

Characteristics			Charging curves @ 20°C (77 °F)	
Capacity	10 hours (1,80Vfin)	800,0 Ah		
	8 hours (1,75Vfin)	761,2 Ah		
	3 hours (1,70Vfin)	583,9 Ah		
	1 hour (1,65Vfin)	374,4 Ah		
Temperature influence on the capacity (10h)	40°C	102%		
	20°C	100%		
	0° C	85%		
Internal Resistance Ri: 0,31 mΩ ±10%		SCC Isc: 7000 A ±10%		
Charging Voltage	Standby use	Max charging current 160A Floating Voltage 2,23V at 20°C Boosting Voltage 2,40V at 20°C Temperature Coefficient -20 mV/°C		

Discharge Table at constant Current (Amp) and constant Power (Watt/cell) at 20°C

Time		30min	60min	90min	2hours	3hours	5hours	8hours	10hours	100hours	120hours
1.65V	A	497,12	374,40	303,28	264,03	201,96	138,65	99,12	84,00	10,87	9,22
	W	1164,72	771,12	590,98	499,20	374,62	261,01	186,44	151,20	19,62	16,65
1.70V	A	470,35	363,20	297,30	258,82	194,62	137,34	98,18	83,20	10,97	9,31
	W	1110,54	745,20	570,24	482,26	364,06	259,78	185,56	150,28	19,55	16,58
1.80V	A	382,40	320,00	272,00	236,80	183,60	130,80	94,40	80,00	10,55	8,95
	W	902,88	648,00	518,40	445,71	340,56	246,24	175,39	144,00	18,99	16,11