



5STA70 – 5OPzS350

DIMENSIONAL 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 Standards: CEI EN 60896 Part 11 EN 50272-2
Nominal Capacity (10 hours)		350Ah (1,80Vfin) at 20°C		
Dimensions	Lenght	124 ±2mm		
	Width	206 ±2mm		
	Box Height	471 ±2mm		
	Total Height	548 ±2mm		
Technical Drawing n°4 00398-0		Weight 28,3 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)	350,0 Ah		
	8 hours (1,75Vfin)	340,6 Ah		
	3 hours (1,70Vfin)	272,7 Ah		
	1 hour (1,65Vfin)	185,5 Ah		
Temperature influence on the capacity (10h)	40°C	102%		
	20°C	100%		
	0° C	85%		
Internal Resistance Ri: 0,54 mΩ ±10%		SCC I _{sc} : 3200 A ±10%		
Charging Voltage	Standby use	Max charging current 70A		
		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	259,35	185,50	144,78	123,24	94,33	63,37	44,10	36,75	4,76	4,03
	W	509,56	337,37	258,55	218,40	163,89	114,19	81,57	66,15	8,58	7,28
1.70V	A	245,39	179,95	141,93	120,81	90,90	62,77	43,68	36,40	4,80	4,07
	W	485,86	326,03	249,48	210,99	159,28	113,66	81,18	65,75	8,55	7,25
1.80V	A	199,50	158,55	129,85	110,53	85,75	59,78	42,00	35,00	4,62	3,92
	W	395,01	283,50	226,80	195,00	149,00	107,73	76,73	63,00	8,31	7,05