



12STA125 – 12OPzS1500

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 Standards: CEI EN 60896 Parte 11 EN 50272-2
Nominal Capacity (10 hours)		1500Ah (1,80Vfin) at 20°C		
Dimensions	Lenght	210 ±2mm		
	Width	275 ±2mm		
	Box Height	796 ±2mm		
	Total Height	873 ±2mm		
Technical Drawing n°4 00405-0		Weight 110,5 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)	1500,0 Ah		
	8 hours (1,75Vfin)	1392,9 Ah		
	3 hours (1,70Vfin)	1158,4 Ah		
	1 hour (1,65Vfin)	935,9 Ah		
Temperature influence on the capacity (10h)	40°C	102%		
	20°C	100%		
	0°C	85%		
Internal Resistance Ri: 0,19 mΩ ±10%		SCC I _{sc} : 10850 A ±10%		
Charging Voltage	Standby use	Max charging current 350A 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	1377,00	935,99	773,57	520,00	400,71	257,43	180,00	157,50	20,38	17,29
	W	2183,84	1445,85	1108,08	936,00	702,41	489,40	349,58	283,50	36,79	31,21
1.70V	A	1330,71	895,99	746,43	501,43	386,14	255,00	178,29	156,00	20,58	17,46
	W	2082,27	1397,25	1069,20	904,24	682,61	487,09	347,93	281,77	36,65	31,09
1.80V	A	1157,14	800,00	678,57	464,29	364,29	242,86	171,43	150,00	19,79	16,79
	W	1692,90	1215,50	972,00	835,71	638,55	461,70	328,86	270,00	35,61	30,21