



12STG125 - 12OPzV1500

DIMENSIONAL FEATURES

Nominal Voltage Nominal Capacity (10 hours)		2V 1500Ah	Stationary Cell GEL (OPzV) Device regulated with valve VRLA Tubular positive plates and flat negative plates High porosity sheaths Electrolyte immobilized in gel Device against flames; box and lid in ABS FV0 Connection copper (Cu) section: 3x30mm No maintenance-no water refilling Wide range of applications Design Life 20 years (at 20°C) Standards: CEI IEC EN 60896 Parts 21 and 22
Dimensions	Length	275 ±2mm	
	Width	210 ±2mm	
Dimensions	Box Height	794 ±2mm	
	Total Height	818 ±2mm	
Technical Drawing n° 4 00308-0		Weight 115,0 Kg ± 5%	
Standard Terminals		Bolt Type: M10	
			Bolt-and-nut terminal Bolt Type: M10

ELECTRIC FEATURES

Characteristics			Charging curves @ 20°C	
Capacity	10 hours (1,8Vfin pc at 20°C)	1500,00Ah		
	8 hours (1,75Vfin pc at 20°C)	1398,88Ah		
	5 hours (1,7Vfin pc at 20°C)	1275,00Ah		
	3 hours (1,7Vfin pc at 20°C)	1158,42Ah		
	1 hour (1,6Vfin pc at 20°C)	1007,99Ah		
Capacity affected by temperature	40°C 20°C 0°C	102% 100% 85%		
Internal Resistance 0,20 mΩ±10%		SCC 10500 A ±10%		
Charging Voltage	Standby use	Max Charge Current 300 A Floating Voltage 2,23V at 20°C Boosting Charge 2,35V at 20°C Temperature Coefficient -3 mV/°C		

Constant Current(Amp) and Constant Power (Watt/Cell) Discharge Table at 20°C

V _{fin} /Time		30 min	60 min	90 min	2 h	3 h	5 h	8 h	10 h	100 h	120 h
1,65V	A	1377,00	935,99	773,57	520,00	400,71	257,43	180,00	157,50	20,38	17,29
	W	1700,60	1442,82	1231,41	1036,73	816,26	551,41	385,56	321,30	39,08	33,28
1,70V	A	1330,71	895,99	746,43	501,43	386,14	255,00	178,29	156,00	20,58	17,46
	W	1642,46	1381,16	1188,20	999,70	786,57	546,21	381,89	318,24	39,46	33,61
1,80V	A	1157,14	800,00	678,57	464,29	364,29	242,86	171,43	150,00	19,79	16,79
	W	1453,50	1233,18	1080,18	925,65	742,05	520,20	367,20	306,00	37,94	32,31