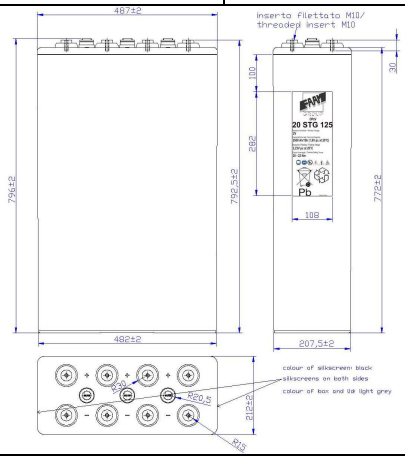
20STG125 - 20OPzV2500

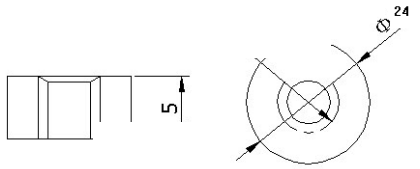
DIMENSIONAL FEATURES

Nominal Voltage Nominal Capacity (10 hours)		2V 2500Ah (1,80Vfin) at 20°C
Dimensions	Length Width Box Height Total Height	212 ±2mm 487 ±2mm 772 ±2mm 796 ±2mm
Technical Drawing n° 4 00310-0		Weight 200,0 Kg ± 5%
Standard Terminals		Bolt Type: M10

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



Bolt-and-nut terminal
Bolt Type:**M10**



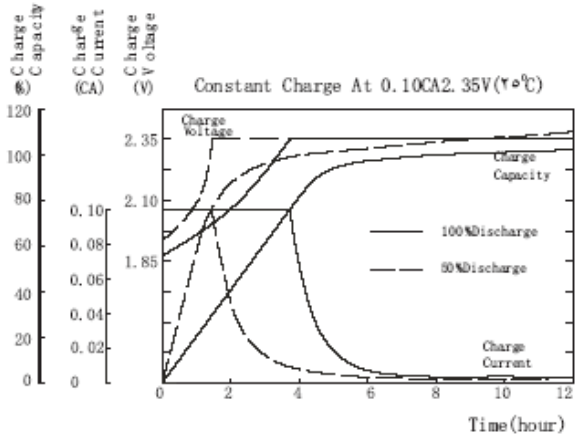
(in mm)

ELECTRIC FEATURES

Characteristics

Capacity	10 hours (1,8Vfin pc at 20°C) 8 hours (1,75Vfin pc at 20°C) 5 hours (1,7Vfin pc at 20°C) 3 hours (1,7Vfin pc at 20°C) 1 hour (1,6Vfin pc at 20°C)	2500,00Ah 2331,44Ah 2125,00Ah 1930,71Ah 1679,99Ah
Capacity affected by temperature	40°C 20°C 0°C	102% 100% 85%
Internal Resistance 0,12 mΩ±10%	SCC 14000 A ±10%	
Charging Voltage — Standby use	Max Charge Current 500 A Floating Voltage 2,23V at 20°C Boosting Charge 2,35V at 20°C Temperature Coefficient –3 mV/°C	

Charging curves @ 20°C



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

Vfin/Time		30 min	60 min	90 min	2 h	3 h	5 h	8 h	10 h	100 h	120 h
1,65V	A	2295,00	1559,99	1289,29	866,67	667,86	429,05	300,00	262,50	33,97	28,82
	W	2845,44	2414,13	2060,39	1734,66	1365,76	922,62	645,12	537,60	65,39	55,69
1,70V	A	2217,86	1493,32	1244,05	835,71	643,57	425,00	297,14	260,00	34,30	29,10
	W	2748,16	2310,96	1988,10	1672,70	1316,10	913,92	638,98	532,48	66,03	56,23
1,80V	A	1928,57	1333,33	1130,95	773,81	607,14	404,76	285,71	250,00	32,98	27,98
	W	2432,00	2063,36	1807,36	1548,80	1241,60	870,40	614,40	512,00	63,49	54,07

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