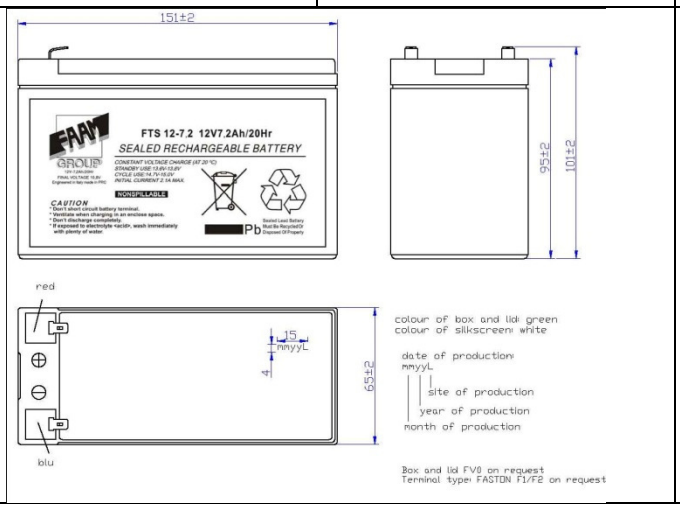
FTS 12-7.2

PHYSICAL SPECIFICATION

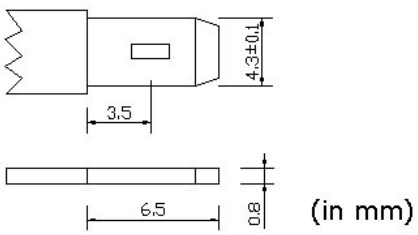
Nominal Voltage		12V
Nominal Capacity (20 hours)		7,2Ah (Vfin 1,8Vpc at 20°C)
Dimensions	Length	151 ±2mm
	Width	65 ±2mm
	Box Height	95 ±2mm
	Total Height	101 ±2mm
Drawing n° 400275-0		Weight 2,30 Kg ± 5%
FASTON Terminals		Type: F1/F2 on request

Tecnology: AGM VRLA
Alloy: Lead-Calcium
Type of plates: flat
Working Temperature: from -20°C to +50°C
Batteries sealed no maintenance
Safety valves VRLA (one per cell)
Material box ABS resistant and against the flames according the UL94:V0 IEC 707
Design life 10 years (at 20°C)
Standards: IEC CEI EN 60896 Parts 21 and 22



F2 on request

F1
Standard Terminal

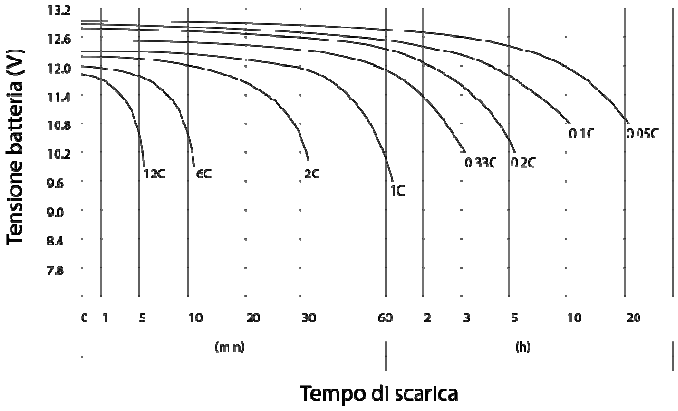


ELECTRICAL SPECIFICATION

Characteristics

Capacity	20 hours(1,8Vfin pc ta 20°C)	7,20Ah
	10 hours(1,8Vfin pc at 20°C)	6,40Ah
	5 hours (1,7Vfin pc at 20°C)	5,90Ah
	3 hours (1,7Vfin pc at 20°C)	5,22Ah
	1 hour (1,6Vfin pc at 20°C)	4,95Ah
Capacity affected by temperature	40°C	102%
	20°C	100%
	0°C	85%
Internal Resistance 25 mΩ±10%		SCC 210 A ±10%
Constant Voltage Charge – Cycle Use		Initial Charging Current less than 2,1A Voltage 14,70~15,00V at 20°C Temperature Coefficient –30 mV/°C
Constant Voltage Charge – Standby Use		No limit on Initial Charging Current Voltage 13,60~13,80V at 20°C Temperature Coefficient –20 mV/°C

Discharge curves (20°C)



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

Vfinal/Time		5min	15min	30min	60min	90min	120min	180min	300min	480min	600min
9.9V	A	24,77	12,92	7,86	4,67	2,51	1,94	1,78	1,21	0,80	0,68
	W	40,87	21,32	12,97	7,70	4,14	3,04	2,38	2,00	1,32	1,12
10.2V	A	23,49	12,15	7,32	4,44	2,42	1,90	1,74	1,18	0,78	0,67
	W	38,75	20,06	12,08	7,32	4,00	2,90	2,30	1,95	1,29	1,10
10.8V	A	20,83	10,42	6,50	3,98	2,26	1,86	1,70	1,13	0,75	0,64
	W	34,37	17,20	10,72	6,56	3,73	2,77	2,21	1,87	1,24	1,06

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