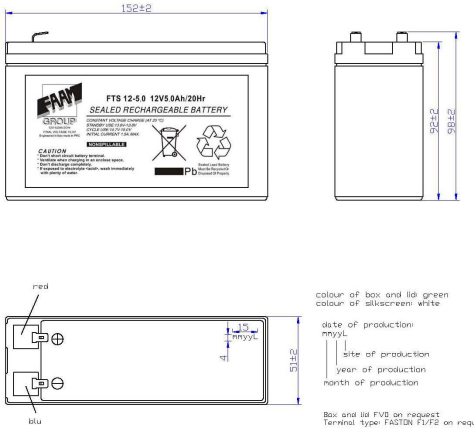
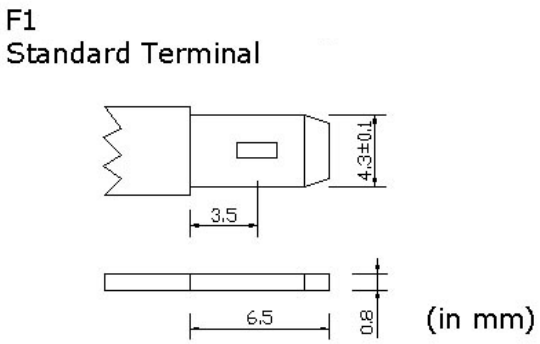
FTS 12-5.0 SL

PHYSICAL SPECIFICATIONS

Nominal Voltage Nominal Capacity (20 hours)		12V 5Ah (Vfin 1,8Vpc at 20°C)
Dimensions	Length Width Box Height Total Height	152 ±2mm 51 ±2mm 92 ±2mm 98 ±2mm
Drawing n° 4 00286-0		Weight 1,90 Kg ± 5%
FASTON Terminals		Type: F1

Technology: 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
Standards: IEC EN 60896 Parts 21 and 22



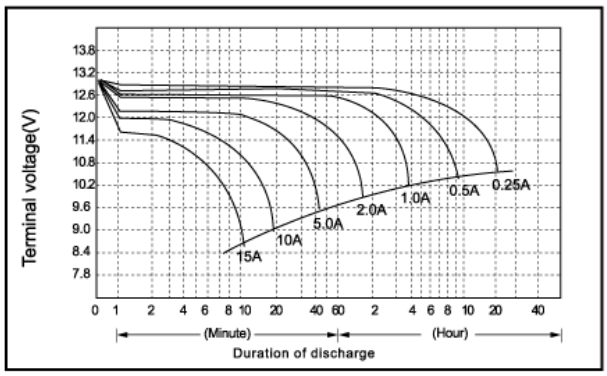


ELECTRICAL SPECIFICATIONS

Characteristics

Capacity	20 hours (1,8Vfin pc ta 20°C) 10 hours (1,8Vfin 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)	5,00Ah 4,50Ah 4,15Ah 3,54Ah 3,45Ah
Capacity affected by temperature	40°C 20°C 0°C	102% 100% 85%
Internal Resistance 33 mΩ±10%		
Constant Voltage Charge – Cycle Use	Initial Charging Current less than 1,5A 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
9,90V	A	17,25	9,00	5,48	3,25	1,75	1,41	1,23	0,85	0,56	0,48
	W	28,46	14,85	9,04	5,36	2,89	2,13	1,68	1,40	0,93	0,79
10,2V	A	16,36	8,47	5,10	3,09	1,69	1,35	1,18	0,83	0,55	0,47
	W	26,99	13,97	8,42	5,10	2,79	2,03	1,62	1,37	0,90	0,77
10,8V	A	14,51	7,26	4,53	2,77	1,58	1,27	1,14	0,80	0,53	0,45
	W	23,93	11,98	7,47	4,57	2,60	1,94	1,56	1,31	0,87	0,75

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