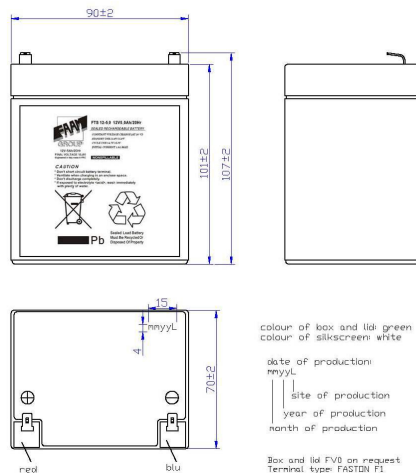




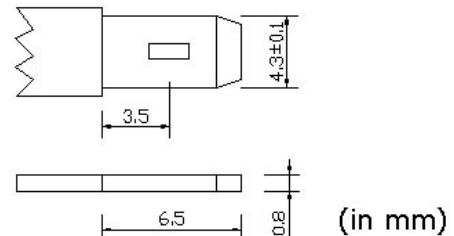
FTS 12-5.0

PHYSICAL SPECIFICATION

Nominal Voltage	12V	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 Design life 10 years (at 20°C) Standards: IEC EN 60896 Parts 21 and 22	
Nominal Capacity (20 hours)	5Ah (Vfin 1,8Vpc at 20°C)		
Dimensions	Length		90 ±2mm
	Width		70 ±2mm
	Box Height		101 ±2mm
Total Height	107 ±2mm		
Drawing n°4 00285-0	Weight	1,65 Kg ± 5%	
FASTON Terminals	Type: F1 (4,8mm)		



F1
Standard Terminal



(in mm)

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C
Capacity	20 hours (1,8Vfin pc at 20°C)	5,00Ah	
	10 hours (1,8Vfin pc at 20°C)	4,50Ah	
	5 hours (1,7Vfin pc at 20°C)	4,15Ah	
	3 hours (1,7Vfin pc at 20°C)	3,54Ah	
	1 hour (1,6Vfin pc at 20°C)	3,45Ah	
Capacity affected by temperature	40°C	102%	
	20°C	100%	
	0°C	85%	
Internal Resistance 33 mΩ±10%			
Constant Voltage Charge	Cycle	Initial Charging Current less than 1,5A Voltage 14,70~15,00V at 20°C Temperature Coefficient -30 mV/°C	
	Standby use	No limit on Initial Charging Current Voltage 13,60~13,80V at 20°C Temperature Coefficient -20 mV/°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