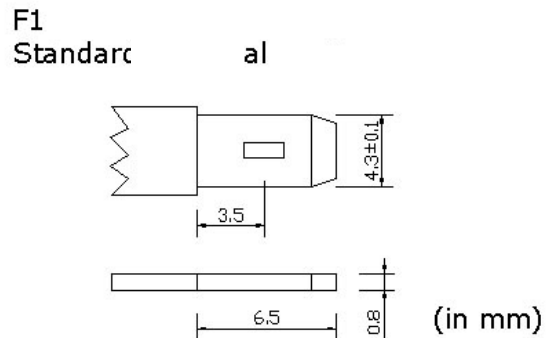
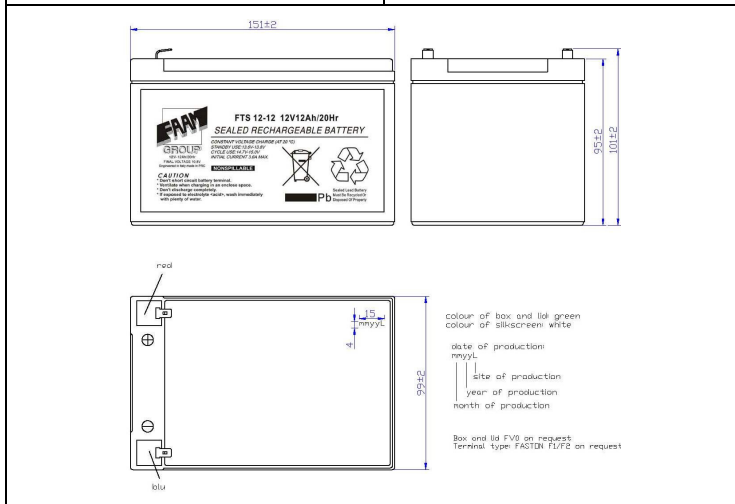




FTS 12-12

PHYSICAL SPECIFICATION

Nominal Voltage		12V	Battery VRLA (Valve Regulated Lead Acid) AGM (Absorbed Glass Material) Sealed – Maintenance free Long Life Box and Lid ABS FV0
Nominal Capacity (20Hr)		12Ah	
Dimensions	Length	151 ±2mm	
	Width	99 ±2mm	
	Box Height	95 ±2mm	
	Total Height	101 ±2mm	
Drawing n° 400276-0		Weight 4,00 Kg ± 5%	
FASTON Terminal		Type: F1/F2(option)	



ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C (77 °F)
Capacity	20 hour rate	12,00Ah	<p>Discharge Characteristics(25°C/77 °F)</p> <p>The graph shows Loading Voltage (V) on the y-axis (ranging from 7.8 to 13.2) versus Discharge Time (h) on the x-axis (ranging from 0.1 to 20). The graph displays discharge curves for various currents: 36A, 24A, 12A, 7.02A, 3A, 2.04A, 1.08A, and 0.6A. The curves show that as the discharge current increases, the voltage drops more rapidly over time.</p>
	10 hour rate	10,60Ah	
	5 hour rate	9,50Ah	
	3 hour rate	9,18Ah	
	1 hour rate	8,15Ah	
Capacity affected by temperature	40°C	102%	
	20°C	100%	
	0°C	85%	
Internal Resistance 20 mΩ±10%			
Constant Voltage Charge	Cycle	Initial Charging Current less than 3,6A Voltage 14,70~15,00V at 20°C Temperature Coefficient -30 mV/°C	
	Standby	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 25°C

Time		5min	15min	30min	60min	90min	120min	180min	300min	480min	600min
9,90V	A	40,85	21,30	12,96	7,69	4,13	3,63	3,17	2,00	1,32	1,12
	W	67,40	35,14	21,38	12,69	6,81	5,00	3,91	3,30	2,18	1,85
10,2V	A	38,74	20,04	12,07	7,31	3,99	3,79	3,06	1,95	1,29	1,10
	W	63,91	33,06	19,91	12,06	6,58	4,78	3,77	3,22	2,13	1,81
10,8V	A	34,35	17,19	10,71	6,55	3,73	3,56	3,00	1,90	1,24	1,06
	W	56,68	28,35	17,68	10,81	6,14	4,56	3,63	3,09	2,05	1,75