

FAAM

FTS 12-12.0

PHYSICAL SPECIFICATION

Nominal Voltage		12V		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 to the UL94:V0 IEC 707 Design life 10 years (at 20°C) Standards: IEC EN 60896 Parts 21 and 22
Nominal Capacity (20 hours)		12Ah (Vfin 1,8Vpc at 20°C)		
Dimensions	Length	151 ±2mm		
	Width	99 ±2mm		
	Box Height	95 ±2mm		
	Total Height	101 ±2mm		
Drawing n° 400276-0		Weight 4,0 Kg ± 5%		
FASTON Terminals		Type: F1/F2 on request		

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves (20°C)	
Capacity	20 hours(1,8Vfin pc ta 20°C)	12,00Ah		
	10 hours(1,8Vfin pc at 20°C)	10,60Ah		
	5 hours (1,7Vfin pc at 20°C)	9,75Ah		
	3 hours (1,7Vfin pc at 20°C)	9,18Ah		
	1 hour (1,6Vfin pc at 20°C)	8,15Ah		
Capacity affected by temperature	40°C	102%		
	20°C	100%		
	0°C	85%		
Internal Resistance 20 mΩ±10%		SCC 310 A ±10%		
Constant Voltage Charge	Cycle Use	Initial Charging Current less than 3,6A 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
9.9V	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