



## FTS 12-7.2

### 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 CEI EN 60896 Parts 21 and 22
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	

  


F2 on request  
 F1 Standard Terminal  
 (in mm)

CAUTION: Must never short battery terminals. Operate when charging in an enclosed space. Never charge in a confined space. If exposed to excessive heat, seek immediately with plenty of water.

colour of box and lid green  
 colour of silkscreen white  
 date of production  
 site of production  
 year of production  
 month of production  
 Box and lid FV0 on request  
 Terminal type: FASTON F1/F2 on request

### ELECTRICAL SPECIFICATION

Characteristics			Discharge curves (20°C)	
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		
	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

V <sub>final</sub> /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