



FTS 12-9.0

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 the UL94:V0 IEC 707 Design life 10 years (at 20°C) Standards: IEC EN 60896 Parts 21 and 22	
Nominal Capacity (20 hours)	9,0Ah (Vfin 1,8Vpc at 20°C)		
Dimensions	Length		151 ±2mm
	Width		65 ±2mm
	Box Height		92 ±2mm
Total Height	98 ±2mm		
Drawing n°	400363-0	Weight 2,65 Kg ± 5%	
FASTON Terminals	Type: F1/F2 on request		

151±2

92±2

98±2

red

blu

15

4

65

colour of box and lid green
colour of silkscreen white

date of production
mm/yyL

site of production

year of production

month of production

Box and lid FVB on request
Terminal type: FASTON F1/F2 on request

F2 on request

F1
Standard Terminal

4.3±0.1

3.5

6.5

0.8

(in mm)

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves (20°C)	
Capacity	20 hours(1,8Vfin pc ta 20°C)	9,00Ah		
	10 hours(1,8Vfin pc at 20°C)	8,00Ah		
	5 hours (1,7Vfin pc at 20°C)	7,50Ah		
	3 hours (1,7Vfin pc at 20°C)	6,45Ah		
	1 hour (1,6Vfin pc at 20°C)	6,05Ah		
Capacity affected by temperature	40°C	102%		
	20°C	100%		
	0°C	85%		
Internal Resistance 25 mΩ±10%		SCC 230 A ±10%		
Constant Voltage Charge	Cycle Use	Initial Charging Current less than 3,0A Voltage 14,40~15,00V at 20°C Temperature Coefficient -30 mV/°C		
	Standby Use	No limit on Initial Charging Current Voltage 13,50~13,80V 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	39,00	19,00	10,50	5,90	4,50	3,50	5,50	1,70	1,20	0,85
	W	70,00	34,00	21,00	11,50	7,50	6,50	5,00	3,00	2,30	1,60
10.2V	A	37,00	18,00	10,20	5,50	4,00	3,40	2,15	1,50	1,10	0,84
	W	68,00	32,00	19,00	11,00	7,00	6,00	4,80	2,80	2,20	1,55
10.8V	A	35,00	16,00	9,60	5,00	3,50	3,30	2,10	1,40	0,90	0,80
	W	64,00	31,00	18,00	10,50	6,50	5,50	4,50	2,70	2,10	1,50