



# FTG 12-150

## DIMENSIONAL FEATURES

Nominal Voltage		12V	Stationary battery sealed regulated with valves Material of box: ABS black color Material of lid: ABS black color Positive tubular plates and negative flat plates with melted grids Pb/Ca/Sn Separators microporous Tecnology GEL VRLA front terminal Standards: CEI EN 60896 Parti 21 e 22
Nominal Capacity (10 hours)		150Ah (1,80Vpc) at 20°C	
Dimensions	Lenght	549,5 ±2mm	
	Width	124,5 ±3mm	
	Total height	315,0 ±3mm	
Technical drawing n°4 00413-0		Weight 53,0 Kg ± 5%	
Screw terminals: M8 Material: brass			
		Maintenance voltage at 20°C 2,27±0,02V/cell Voltage of boost charging 2,40±0,02V/cell Temperature of exercise: 20°C±3°C (recommended) Maximum working temperature: -40°C / 50°C Tightening torque: 8-10 Nm Maximum charging current allowed: 30A Maximum discharging current: 1200A	

## ELECTRIC FEATURES

Characteristics			Discharge Curves @ 20°C (68 °F)
Capacity	10hours(1,80Vpc fin at 20°C)	150,0 Ah	
	8hours(1,75Vpc fin at 20°C)	145,6 Ah	
	3hours(1,70Vpc fin at 20°C)	117,9 Ah	
	1hour(1,60Vpc fin at 20°C)	91,7 Ah	
Influenza della temperatura sulla capacità (10h)	40°C	102%	
	20°C	100%	
	0° C	85%	
Internal Resistance Ri: 5,0 mΩ ±10%		SCC I <sub>sc</sub> : / ±10%	
Charging Voltage	Cyclic use	Initial Current less of 30A Voltage 14,4~15,0 V at 20°C Temperature coefficient -30 mV/°C	
	Standby use	No limit on the initial charging current Voltage 13,5~13,8 V at 20°C Temperature coefficient -18mV/°C	

### Table of discharge at constant current (Amp) and constant power (Watt/cell) at 20°C

Time		30min	60min	120min	180min	300min	600min	1200min
9,6V	A	133,8	91,7	55,7	41,6	28,2	16,0	8,48
	W	245,9	173,7	106,3	80,0	54,8	31,6	16,8
10,2V	A	123,3	86,1	52,1	39,3	27,0	15,5	8,29
	W	231,2	165,0	100,5	76,2	52,8	30,8	16,5
10,8V	A	107,1	76,5	47,9	36,1	25,3	15,0	8,03
	W	204,5	148,2	93,1	70,5	49,8	29,9	16,0

