



FTG 12-120

DIMENSIONAL FEATURES

Nominal Voltage Nominal Capacity (10 hours)		12V 120Ah (1,80Vpc) at 20°C	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
Dimensions	Length	551 ±3mm	
	Width Total height	110 ±2mm 287 ±3mm	
Techinal drawing n°4 00412-0		Weight 42,5 Kg ± 5%	
Screw terminal: M6		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: 24A Maximum discharging current: 960A

ELECTRIC FEATURES

Characteristics		Discharge Curves @ 20°C (68 °F)	
Capacity	10hours(1,80Vpc fin at 20°C)	120,0 Ah	
	8hours(1,75Vpc fin at 20°C)	116,8 Ah	
3hours(1,70Vpc fin at 20°C)	94,2 Ah		
1hour(1,60Vpc fin at 20°C)	73,3 Ah		
Temperature influence on the capacity (10h)	40°C	102%	
	20°C	100%	
	0° C	85%	
Internal resistance Ri: 6,5 mΩ ±10%		SCC I _{sc} : / ±10%	
Charging Voltage	Cyclic use	Initial Current less of 24A 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	107,0	73,3	44,5	33,2	22,6	12,8	6,78
	W	197,0	139,0	85,1	64,0	43,9	25,3	13,5
10,2V	A	98,6	68,9	41,6	31,4	21,6	12,4	6,63
	W	185,0	132,0	80,4	61,0	42,3	24,6	13,2
10,8V	A	85,7	61,2	38,3	28,9	20,3	12,0	6,42
	W	164,0	119,0	74,5	56,4	39,9	23,9	12,8

