



# 5STG50

## PHYSICAL SPECIFICATION

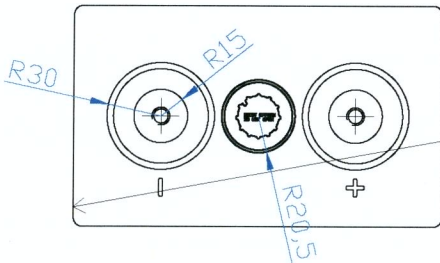
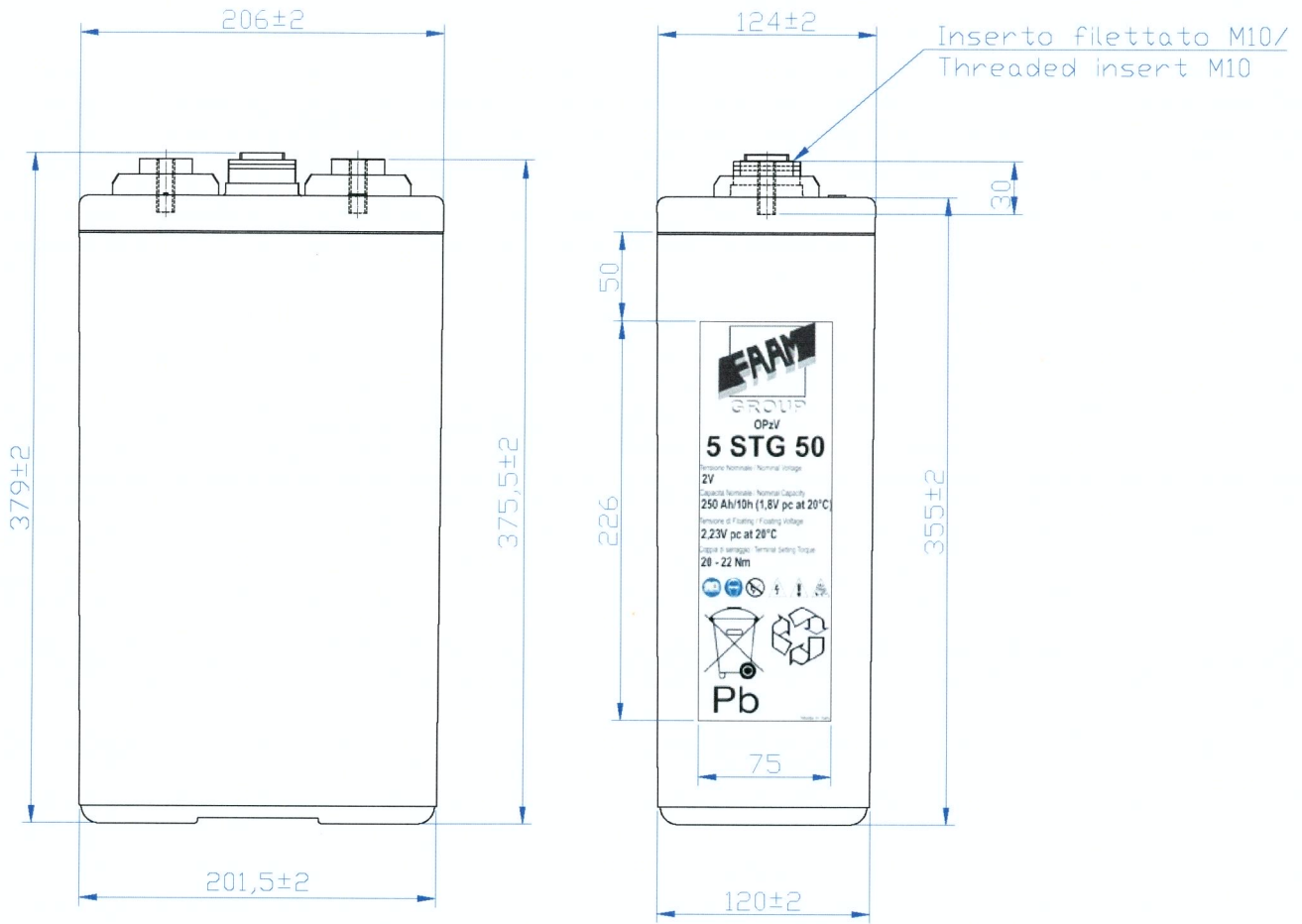
Nominal Voltage Nominal Capacity (10Hr)		2V 250Ah	Container and lid ABS, FV0 on request
Dimension	Length	206 ±2mm	
	Width	124 ±2mm	
	Container Height	355 ±2mm	
	Total Height	379 ±2mm	
Drawing 400302-0		Weight 23,0 Kg ± 5%	
Standard Terminal		Bolt Type: M10	
			<p>Bolt-and-nut terminal Bolt Type: <b>M10</b></p> <p>(in mm)</p>

## ELECTRICAL SPECIFICATION

Characteristics			Charging curves @ 20°C	
Capacity	10 hour rate	250,00Ah		
	8 hour rate	133,12Ah		
	5 hour rate	202,40Ah		
	3 hour rate	193,08Ah		
	1 hour rate	168,00Ah		
Capacity affected by temperature	40°C	102%		
	20°C	100%		
	0°C	85%		
Internal Resistance 0,75 mΩ±10%		SCC 3000 A ±10%		
Charge Voltage	Standby	Max Charge Current 50 A Floating Voltage 2,23V at 20°C Boost Charge 2,35V at 20°C Temperature Coefficient -20 mV/°C		

### Constant Current(Amp) and Constant Power (Watt/Cell) Discharge Table at 20°C

Time		30 min	60 min	90 min	2 h	3 h	5 h	8 h	10 h	100 h	120 h
1,65V	A	229,50	156,00	128,93	86,67	66,79	42,90	30,00	26,25	3,40	2,88
	W	414,32	309,07	250,46	194,81	148,15	97,01	66,23	54,60	7,10	6,03
1,70V	A	221,79	149,33	124,40	83,57	64,36	42,50	29,71	26,00	3,43	2,91
	W	400,16	295,86	241,67	187,86	142,76	96,10	65,60	54,08	7,17	6,08
1,80V	A	192,86	133,33	113,10	77,38	60,71	40,48	28,57	25,00	3,30	2,80
	W	354,12	264,16	219,70	173,94	134,68	91,52	63,08	52,00	6,89	5,85



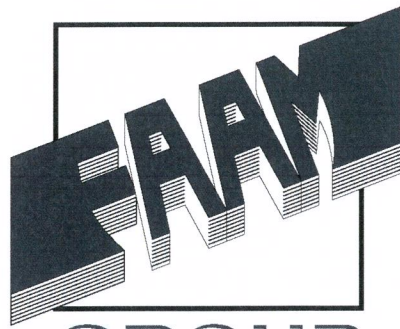
colour of silkscreen: black  
 silkscreens on both sides  
 colour of box and lid: light grey

REV.	DATA/DATE	PROGETTISTA/DESIGNER	DISEGNATO/DRAWN	APPROVATO/APPROVED	DESCRIZIONE MODIFICHE/DESCRIPTION REVISIONS		
INDICAZIONI GENERALI/GENERAL INDICATION:			MATERIALE/MATERIAL:	R (N/nm2)	DUREZZA/HARDNESS:	PROGETTISTA/DESIGNER:	
GRADO DI PRECISIONE/DEGREE OF ACCURACY			ABS/Pb-Ca			R. PARENTI	
NORMA UNI 5307/STANDARD UNI 5307			PROGETTO GENERALE-COMPLESSIVO/GENERAL PLAN-TOTAL PLAN:			DISEGNATO/DRAWN:	
			ELEMENTI STAZIONARI/STATIONARY CELLS			S. BALDASSARRI	
SOSTITUISCE IL/SUPERSEDES:		SOSTITUITO DAL/SUPERSEDS BY:	NOME FILE/NAME FILE:			APPROVATO/APPROVED:	
			4 00302.dwg			F. PAGLIARINI	
SCALA/SCALE:		FOGLIO/SHEET:	CODICE/COE:	TIPO/TYPER:	VERSIONE/VERSIONI:	DATA/DATE:	
1:4		A4	5STG50	Series STG GEL	CARICA/CHARGE:	18.05.2010	
DENOMINAZIONE/PART DESCRIPTION:						DISEGNO N°-REV./DRAWING N°-REV.:	TAV.:
ELEMENTO STAZIONARIO COD. 5STG50 (250Ah/10h) 2V gel/ STATIONARY CELL CODE 5STG50 (250Ah/10h) 2V gel						4 00302-0	1



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GROUP

OPzV

# 5 STG 50

Tensione Nominale / Nominal Voltage

**2V**

Capacità Nominale / Nominal Capacity

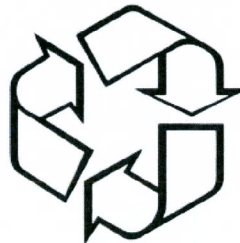
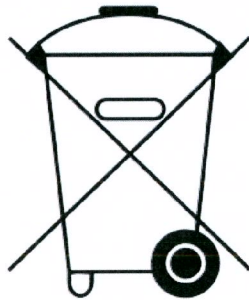
**250 Ah/10h (1,8V pc at 20°C)**

Tensione di Floating / Floating Voltage

**2,23V pc at 20°C**

Coppia di serraggio / Terminal Setting Torque

**20 - 22 Nm**



**Pb**

Made in Italy