



4STG50

PHYSICAL SPECIFICATION

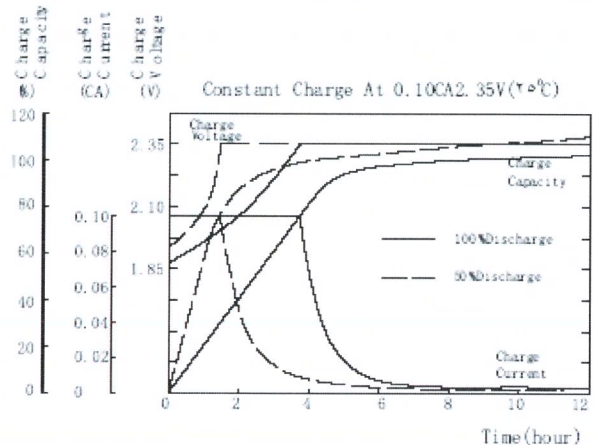
Nominal Voltage		2V	Container and lid ABS, FV0 on request
Nominal Capacity (10Hr)		200Ah	
Dimension	Length	206 ±2mm	
	Width	103 ±2mm	
	Container Height	355 ±2mm	
	Total Height	379 ±2mm	
Drawing 400301-0		Weight 19,0 Kg ± 5%	
Standard Terminal		Bolt Type: M10	
		<p>Bolt-and-nut terminal Bolt Type: M10</p> <p>(in mm)</p>	

ELECTRICAL SPECIFICATION

Characteristics

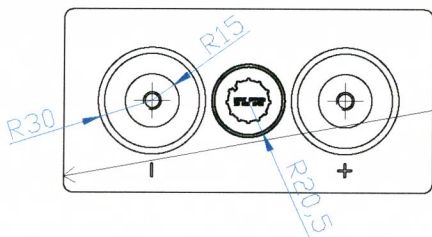
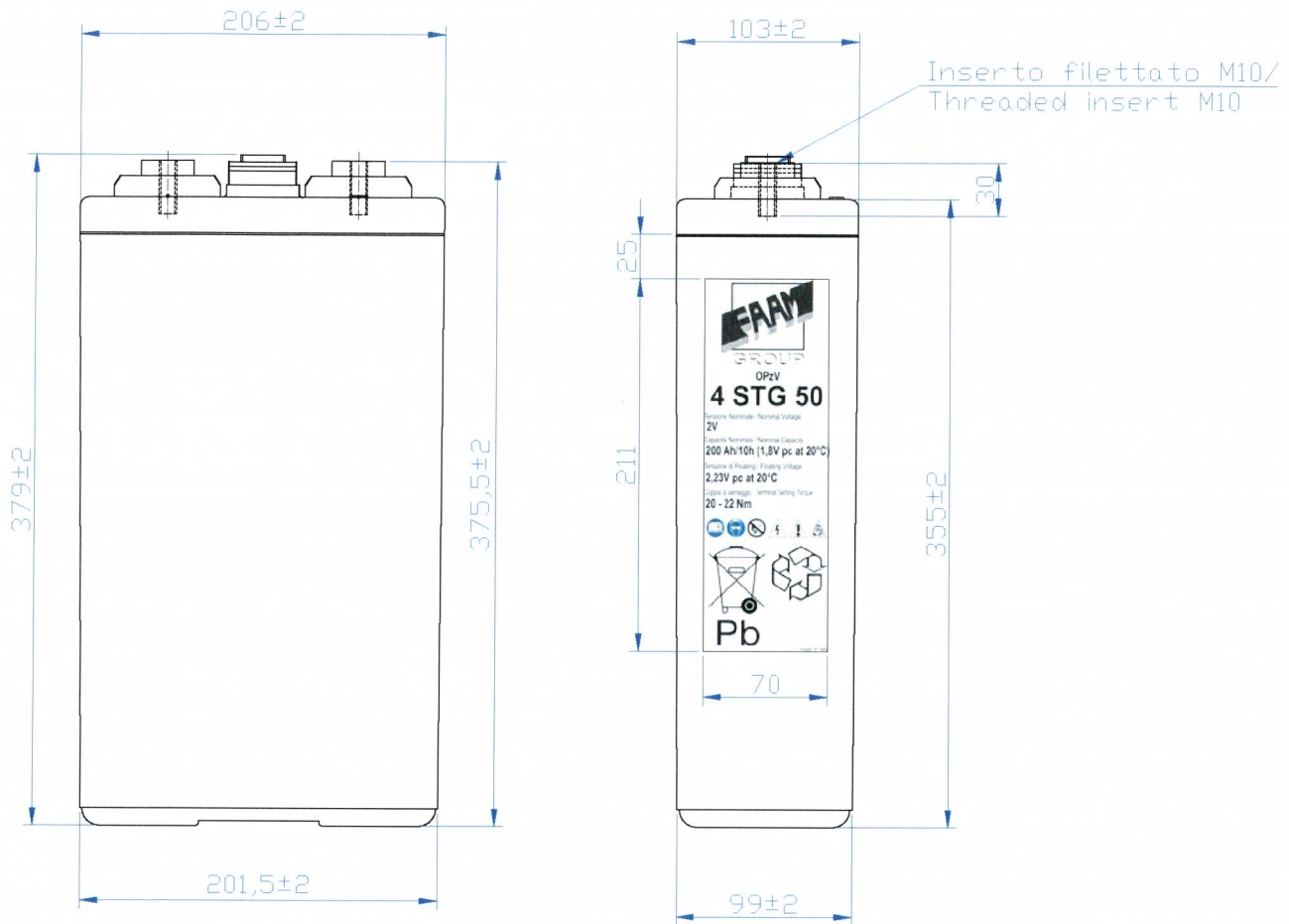
Capacity	10 hour rate	200,00Ah
	8 hour rate	186,48Ah
	5 hour rate	161,90Ah
	3 hour rate	154,47Ah
	1 hour rate	134,40Ah
Capacity affected by temperature	40°C	102%
	20°C	100%
	0°C	85%
Internal Resistance 0,8 mΩ±10%		SCC 2600 A ±10%
Charge Voltage	Standby	Max Charge Current 50 A Floating Voltage 2,23V at 20°C Best Charge 2,35V at 20°C Temperature Coefficient -20 mV/°C

Charging curves @ 20°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	183,60	124,80	103,14	69,33	53,43	34,32	24,00	21,00	2,72	2,31
	W	326,68	243,69	197,48	153,60	116,81	76,49	52,22	43,05	5,60	4,75
1,70V	A	177,43	119,47	99,52	66,86	51,49	34,00	23,77	20,80	2,74	2,33
	W	315,51	233,27	190,55	148,12	112,56	75,77	51,72	42,64	5,65	4,80
1,80V	A	154,29	106,67	90,48	61,90	48,57	32,38	22,86	20,00	2,64	2,24
	W	279,21	208,28	173,23	137,15	106,19	72,16	49,73	41,00	5,43	4,61



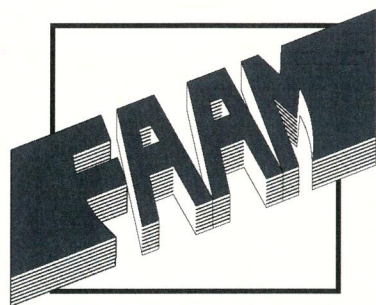
colour of silkscreen: black
 silkscreens on both sides
 colour of box and lid: light grey

1	13/02/2006	R. PARENTI	S. BALDASSARRI	F. PAGLIARINI	SVASATURA DEL MONOBLOCCO	
REV.	DATA/DATE	PROGETTISTA/DESIGNER	DISEGNATO/DRAWN	APPROVATO/APPROVED	DESCRIZIONE MODIFICHE/DESCRIPTION REVISIONS	
INDICAZIONI GENERALI/GENERAL INDICATION:			MATERIALE/MATERIAL:	R (N/nr2)	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 00301.dwg			F. PAGLIARINI
SCALA/SCALE:		FOGLIO/SHEET:	CODICE/COE:	TIPO/TYP:	VERSIONE/VERSION:	DATA/DATE:
1:4		A4	4STG50	Series STG GEL	CARICA/CHARGE	18.05.2010
DENOMINAZIONE/PART DESCRIPTION:					DISEGNO N°-REV./DRAWING N°-REV.:	TAV.:
ELEMENTO STAZIONARIO COD. 4STG50 (200Ah/10h) 2V gel/ STATIONARY CELL CODE 4STG50 (200Ah/10h) 2V gel					4 00301-0	1



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GROUP

OPzV

4 STG 50

Tensione Nominale / Nominal Voltage

2V

Capacità Nominale / Nominal Capacity

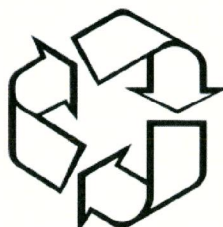
200 Ah/10h (1,8V pc at 20°C)

Tensione di Floating / Floating Voltage

2,23V pc at 20°C

Coppia di serraggio / Terminal Setting Torque

20 - 22 Nm



Pb

made in Italy