

5STG70



PHYSICAL SPECIFICATION

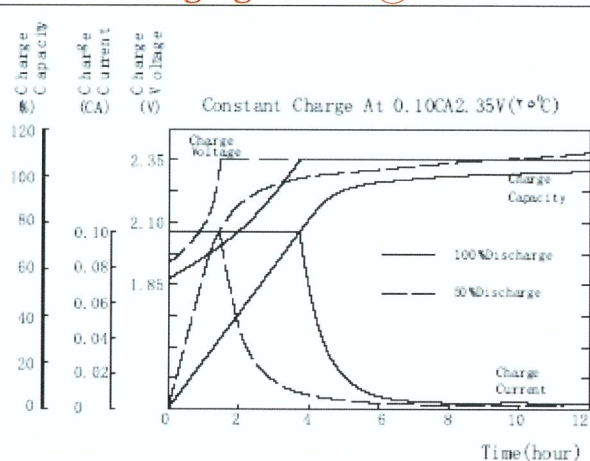
Nominal Voltage		2V	Container and lid ABS, FV0 on request
Nominal Capacity (10Hr)		350Ah	
Dimension	Length	206 ±2mm	
	Width	124 ±2mm	
	Container Height	470 ±2mm	
	Total Height	494 ±2mm	
Drawing 400304-0		Weight 30,0 Kg ± 5%	
Standard Terminal		Bolt Type: M10	
		<p>Bolt-and-nut terminal Bolt Type: M10</p> <p>(in mm)</p>	

ELECTRICAL SPECIFICATION

Characteristics

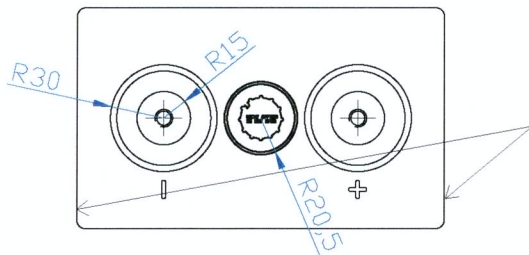
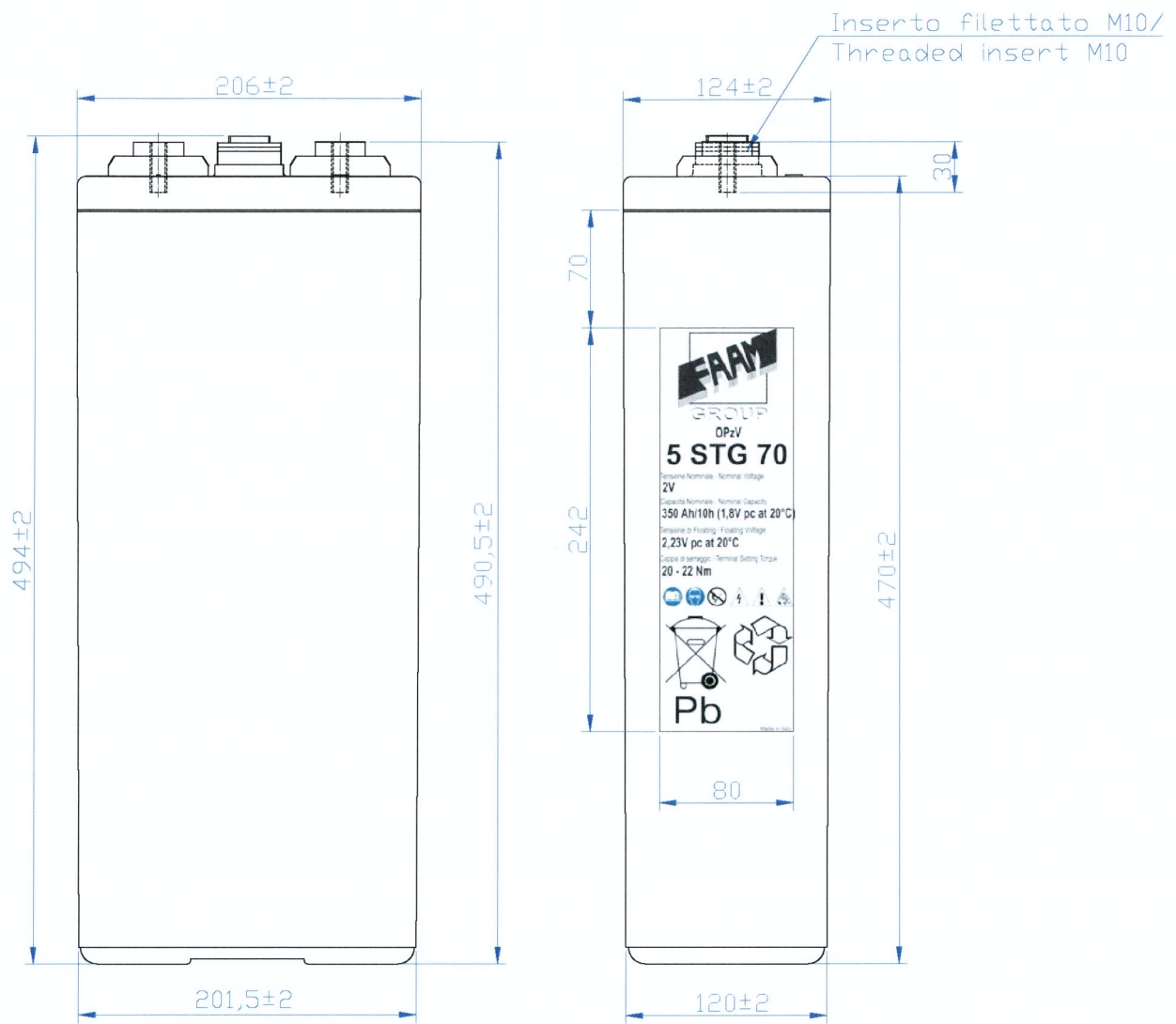
Capacity	10 hour rate	350,00Ah
	8 hour rate	326,40Ah
	5 hour rate	283,35Ah
	3 hour rate	270,30Ah
	1 hour rate	235,20Ah
Capacity affected by temperature	40°C	102%
	20°C	100%
	0°C	85%
Internal Resistance 0,65 mΩ ± 10%		SCC 4000 A ± 10%
Charge Voltage	Standby	Max Charge Current 70 A Floating Voltage 2,23V 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	321,30	218,40	180,50	121,33	93,50	60,07	42,00	36,75	4,76	4,03
	W	526,50	410,67	336,87	268,80	206,25	135,95	94,50	78,75	9,36	8,00
1,70V	A	310,50	209,07	174,17	117,00	90,10	59,50	41,60	36,40	4,80	4,07
	W	508,50	393,12	325,05	259,20	198,75	134,66	93,60	78,00	9,45	8,07
1,80V	A	270,00	186,67	158,33	108,33	85,00	56,67	40,00	35,00	4,62	3,92
	W	450,00	351,00	295,50	240,00	187,50	128,25	90,00	75,00	9,09	7,76



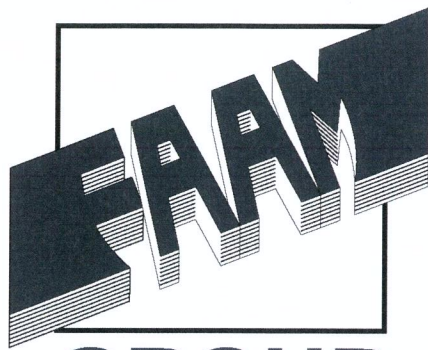
colour of silkscreen: black
 silkscreens on both sides
 colour of box and lid: light grey

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 00304.dwg			F. PAGLIARINI	
SCALA/SCALE:		FOGLIO/SHEET:	CODICE/COE:	TIPO/TYPER:	VERSIONE/VERSION:	DATA/DATE:	
1:4		A4	5STG70	Series STG GEL	CARICA/CHARGE	18.05.2010	
DENOMINAZIONE/PART DESCRIPTION:						DISEGNO N°-REV./DRAWING N°-REV.:	TAV.:
ELEMENTO STAZIONARIO COD. 5STG70 (350Ah/10h) 2V gel/ STATIONARY CELL CODE 5STG70 (350Ah/10h) 2V gel						4 00304-0	1



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GROUP

OPzV

5 STG 70

Tensione Nominale / Nominal Voltage

2V

Capacità Nominale / Nominal Capacity

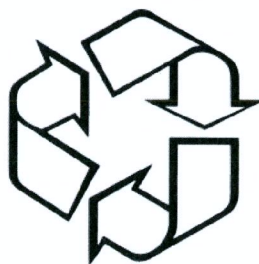
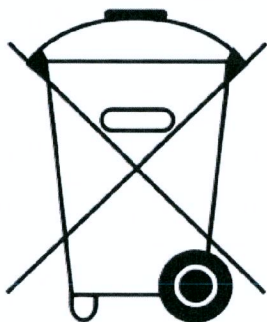
350 Ah/10h (1,8V pc at 20°C)

Tensione di Floating / Floating Voltage

2,23V pc at 20°C

Coppia di serraggio / Terminal Setting Torque

20 - 22 Nm



Pb

Made in Italy