



7STG70

PHYSICAL SPECIFICATION

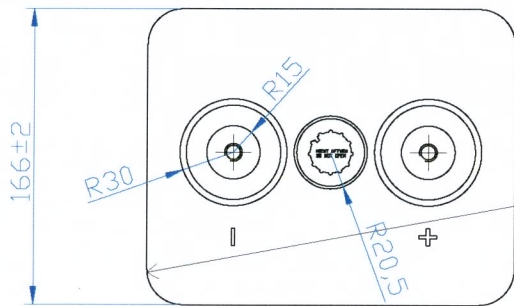
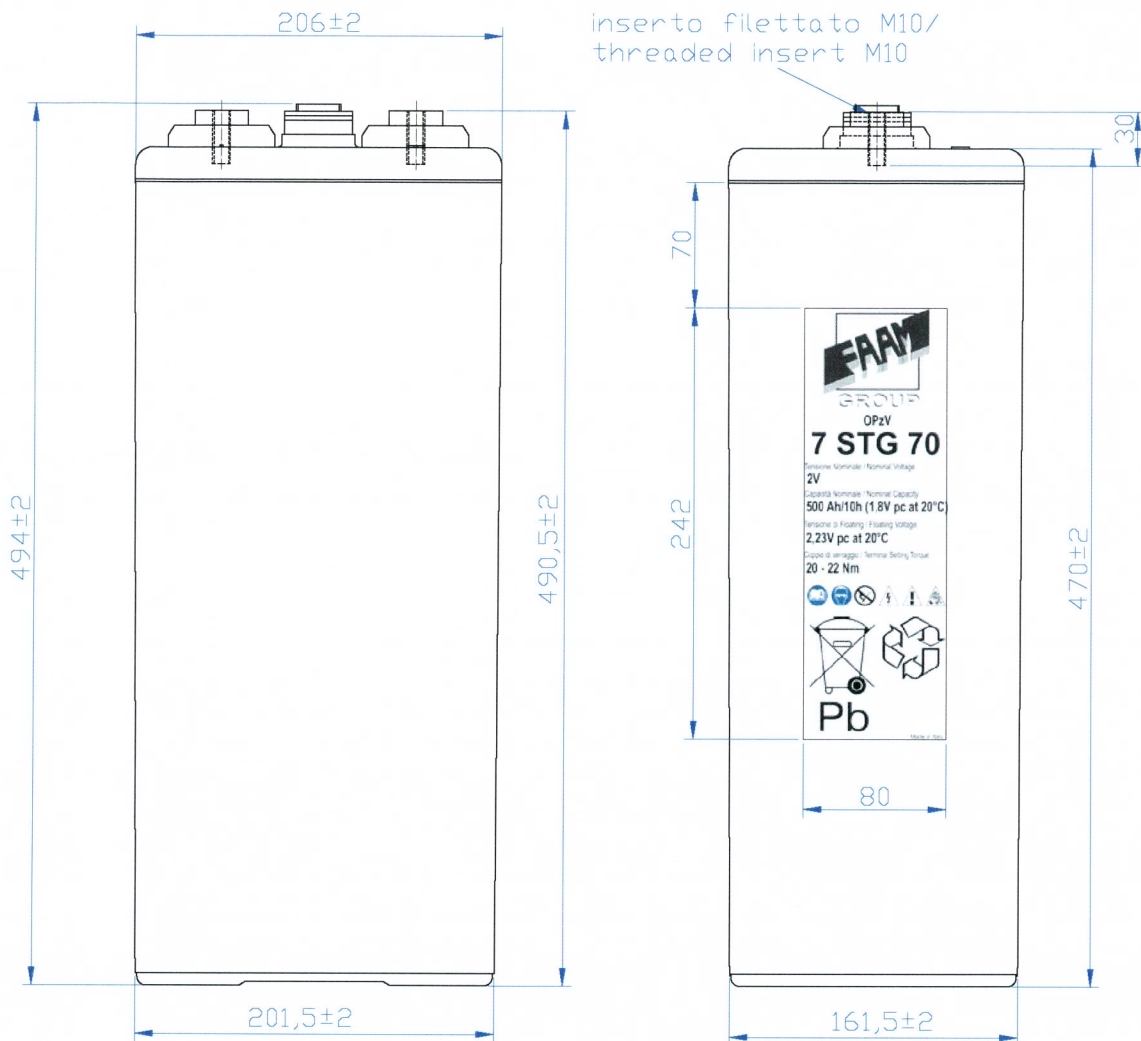
Nominal Voltage		2V
Nominal Capacity (10Hr)		500Ah
Dimension	Length	206 ±2mm
	Width	166 ±2mm
	Container Height	470 ±2mm
	Total Height	503 ±2mm
Drawing 400219-0		Weight 42,0 Kg ± 5%
Standard Terminal		Bolt Type: M10
		<p>Bolt-and-nut terminal Bolt Type: M10</p> <p>(in mm)</p>

ELECTRICAL SPECIFICATION

Characteristics			Charging curves @ 20°C	
Capacity	10 hour rate	500,00Ah		
	8 hour rate	466,32Ah		
	5 hour rate	404,75Ah		
	3 hour rate	386,13Ah		
	1 hour rate	336,00Ah		
Capacity affected by temperature	40°C	102%		
	20°C	100%		
	0°C	85%		
Internal Resistance 0,44 mΩ±10%		SCC 4700 A ±10%		
Charge Voltage	Standby	Max Charge Current 100 A Floating Voltage 2,23V at 20°C Best 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	459,00	312,00	257,86	173,33	133,57	85,81	60,00	52,50	6,79	5,76
	W	737,10	574,94	471,62	376,32	288,75	190,32	132,30	110,25	13,11	11,19
1,70V	A	443,57	298,66	248,81	167,14	128,71	85,00	59,43	52,00	6,86	5,82
	W	711,90	550,37	455,07	362,88	278,25	188,53	131,04	109,20	13,24	11,30
1,80V	A	385,71	266,67	226,19	154,76	121,43	80,95	57,14	50,00	6,60	5,60
	W	630,00	491,40	413,70	336,00	262,50	179,55	126,00	105,00	12,73	10,87



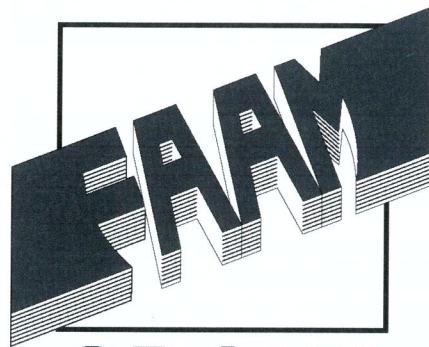
colour of silkscreen: black
 silkscreens on both sides
 colour of box and lid: light grey

REV.	DATA/DATE	PROGETTISTA/DESIGNER	DISEGNATO/DRAWN	APPROVATO/APPROVED	DESCRIZIONE MODIFICHE/DESCRIPTION REVISIONS		
INDICAZIONI GENERALI/GENERAL INDICATIONS			MATERIALE/MATERIAL	R (N/mm ²)	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 00306.dwg			F. PAGLIARINI	
SCALA/SCALE		FOGLIO/SHEET	CODICE/COE	TIPO/TYP	VERSIONE/VERSION	DATA/DATE	
1:4		A4	7STG70	Series STG GEL	CARICA/CHARGE	18.05.2010	
DENOMINAZIONE/PART DESCRIPTION						DISEGNO N°-REV./DRAWING N°-REV./	TAV./
ELEMENTO STAZIONARIO COD. 7STG70 (500Ah/10h) 2V gel/ STATIONARY CELL CODE 7STG70 (500Ah/10h) 2V gel						4 00306-0	1



FAAM S.p.A. Via Monti,11 63026 Monterubbiano (AP) ITALY
 Tel. ++39/07342581 Fax. ++39/0734258229 www.faam.com

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GROUP

OPzV

7 STG 70

Tensione Nominale / Nominal Voltage

2V

Capacità Nominale / Nominal Capacity

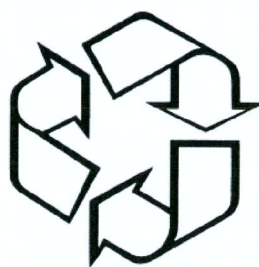
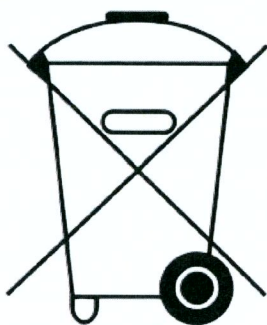
500 Ah/10h (1,8V pc at 20°C)

Tensione di Floating / Floating Voltage

2,23V pc at 20°C

Coppia di serraggio / Terminal Setting Torque

20 - 22 Nm



Pb

Made in Italy