

FAAM



STAND-BY

*Advanced Lead Technology
Lithium Technology*

SERI
industrial GROUP



www.faam.com

FLOODED

STA OPzS

The STA range is designed to be used in very heavy applications, where cycles and depth of discharge must not compromise.

They turn out to be ideal for use on:

- Standalone islands of renewable energy, both wind and photovoltaic and of other types.
- High energy storage systems to ensure reliable power supply.
- Energy systems, security, signaling.
- Telecommunications, airports, stations.

They are also designed for use in extreme temperature conditions, guaranteeing a life of more than 1600 cycles with 80% DOD, being equipped with high-diameter tubular plates and special formulations of the active materials.

The new design of the terminals allows to have a high reliability against electrolyte leakage and considerable duration over time.

FEATURES

- (+) tubular plate Pb/Sb with low antimony content
- (-) flat plate with cage structure grid
- Separators with high porosity and low electrical resistance
- Intercell connections of lead copper
- Transparent SAN container
- ABS lid
- Ceramic filter plugs (DIN 40740 type on request)
- Flat lead terminals, M10 female threaded terminals on request
- Electrolyte: diluted solution of sulfuric acid SG1.25kg / Lt $\pm$ 0.01 at 20°C

Official References

CEI EN 60896-11
CEI IEC 61427
DIN 40736 part 1
EN 50272-2 < UL1989
EUROBAT "Long Life" (20 years)



Tubular Plate



100% Recyclable



Reliability Long Term



Wide Range



Flooded



Single Cell



High Energy



High Efficiency



High Life Cycles



Green Battery



Extreme Temperatures



Renewable Energy



Deep Discharge

FLOODED

HPS

The HPS batteries are designed for applications on:

- Renewable energy
- Telecommunications
- Energy storage
- Emergency systems
- Transport

FEATURES

- Tubular positive plates with low antimony content ($Sb < 2\%$)
- Flat negative plates with cage structure grid with low antimony content ($Sb < 2\%$)
- Separators with high porosity and low electrical resistance
- White translucent polypropylene container
- Electrolyte: High acid reserve with low density electrolyte 1260 g / l at 25 ° C
- M10 female threaded terminals

Official References

EN 50272-3
EN 50272-2
EN 60254-2
EN 60254-1
EN 61427
EN 60896-11



Tubular Plate



100% Recyclable



Reliability Long Term



Wide Range



Flooded



Single Cell



High Energy



High Efficiency



High Life Cycles



Green Battery



Extreme Temperatures



Renewable Energy



Deep Discharge



Advanced Lead Technology

VRLA GEL

STG OPzV

FAAM batteries from STG-OPzV series have been designed for applications on renewable energy islands and off-grid applications.

The application flexibility and the total absence of maintenance, make them suitable in many types of applications, ranging from renewable energy systems, to telecommunications.

Built with special Pb/Ca/Sn alloys and special active material formulations, they have been designed to give long-term durability even on non-standard temperature applications.

FEATURES

- (+) tubular plate Pb/Ca
- (-) flat plate with cage structure grid
- Microporous separators with low electrical resistance
- ABS Container and lid (FV0 on request)
- M10 female threaded terminals
- Internal low pressure safety unidirectional valves

Official References

CEI EN 60896 part 21 and 22
CEI IEC 61427
DIN 40742 DIN 43539 T5
EUROBAT "Long Life" (20 years)
EN 50272-2
UL 1989



Maintenance Free



Tubular Plate



100% Recyclable



Reliability Long Term



Wide Range



Single Cell



High Energy



Versatile Installation



High Efficiency



High Life Cycles



Green Battery



Extreme Temperatures



Renewable Energy



Deep Discharge



Low Self Discharge



VRLA



VRLA GEL

FTG

FEATURES

- Tubular plate Pb/Ca/Sn and high thickness negative grid for cyclic use
- Special separators with low electrical resistance and high porosity
- Anti-incendiary device (corundum)
- ABS FV0 container and lid
- M8 female front terminals (150 Ah), M6 (100-120 Ah)
- Unidirectional safety valves with internal low pressure
- Designed for Rack 19" and 23"
- Possibility of connection also in the upper part
- Remote Venting System (on request)
- Designed for deep cyclic applications, for photovoltaic, wind and renewable energy

Official References

CEI IEC 60896 part 21 and 22
BS 6290 parte 4 BS 6334 (FV0)
DIN 43539 T5
EUROBAT "Long Life" (15 years)
EN 50272-2
UL 1989



Maintenance Free



Tubular Plate



100% Recyclable



Reliability Long Term



Wide Range



High Energy



Versatile Installation



High Efficiency



High Life Cycles



Green Battery



Extreme Temperatures



Renewable Energy



Deep Discharge



Low Self Discharge



VRLA

FLG

FEATURES

- (+) Pasted grid plate Pb/Ca/Sn
- (-) Pasted grid plate Pb/Ca
- Microporous separators with low electrical resistance
- Anti-incendiary device (corundum)
- ABS FV0 container and lid
- M6-M8 female threaded terminals
- Unidirectional safety valves with internal low pressure

Official References

CEI IEC 60896 part 21 and 22
CEI IEC 61427
DIN 40742 DIN 43539
EUROBAT "Long Life" (> 12 years)
EN 50272-2
UL 1989



Maintenance Free



Flat Plate



Block Battery



100% Recyclable



Wide Range



Versatile Installation



High Efficiency



Green Battery



Low Self Discharge



VRLA



VRLA AGM

FLL

FEATURES

- High thickness flat plate Pb/Ca/Sn
- Low electrical resistance separators
- Anti-incendiary device (corundum)
- ABS FV0 container and lid
- Cover with integrated handle (on 6-12 V monobloc models)
- M5-M6-M8 female threaded terminals
- Unidirectional safety valves with internal low pressure

Official References

CEI IEC 60896 part 21 and 22
BS 6290 part 4 BS 6334 (FV0)
DIN 43539 T5
EUROBAT "Long Life" (> 12 years)
EN 50272-2
UL 1989



Maintenance Free



Flat Plate



Block Battery



100% Recyclable



Wide Range



Versatile Installation



High Efficiency



Green Battery



Low Self Discharge



VRLA

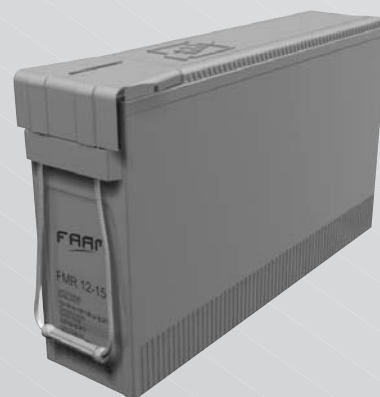
FMR

FEATURES

- High thickness Pb/Ca/Sn flat plate
- Low electrical resistance separators
- Anti-incendiary device (corundum)
- ABS FV0 container and lid
- Cover with integrated handle
- M6 frontal terminals
- Unidirectional safety valves with internal low pressure
- Designed for Rack 19" e 23"
- Possibility of connection also in the upper part
- Remote Venting System (on request)

Official References

CEI IEC 60896 part 21 and 22
BS 6290 part 4 BS 6334 (FV0)
DIN 43539 T5
EUROBAT "Long Life" (> 12 years)
EN 50272-2
UL 1989



Maintenance Free



Flat Plate



Block Battery



100% Recyclable



Wide Range



Versatile Installation



High Efficiency



Green Battery



Low Self Discharge



VRLA



Advanced Lead Technology



VRLA AGM

FHP

FEATURES

- Flat plate Pb/Ca/Sn
- Ultra-low electrical resistance separators
- Anti-incendiary device (corundum)
- ABS FV0 container and lid
- Cover with integrated handle
- M5-M6-M8 female threaded terminals
- Unidirectional safety valves with internal low pressure

Official References

CEI IEC 60896 part 21 and 22
BS 6290 part 4 BS 6334 (FV0)
DIN 43539 T5
EUROBAT "High Performance"
(>10-12 years)
EN 50272-2
UL 1989



Flat
Plate



Block
Battery



100%
Recyclable



Wide
Range



Versatile
Installation



Low
Self Discharge



High
Efficiency



High
Life Cycles



Green
Battery



VRLA

FTS

FEATURES

- Pb/Ca flat plate
- Low electrical resistance separators
- ABS container and lid
- Faston terminals (F1-F2 on request)
- Unidirectional safety valves with internal low pressure

Official References

CEI IEC 60896 part 21 and 22
BS 6290 part 4 BS 6334 (FV0)
DIN 43539 T5
EUROBAT "General Purpose"
EN 50272-2
UL 1989



Maintenance
Free



Flat
Plate



Block
Battery



100%
Recyclable



Wide
Range



Versatile
Installation



High
Efficiency



Green
Battery



Low
Self Discharge



VRLA

energy where and when you need

FAAM Lithium Technology LiSTORAGE

With the LISTORAGE system the dependence on traditional energy suppliers can be reduced. Energies from renewable sources, such as photovoltaic, are characterized by cyclicity and limited predictability. To avoid this problem, it is possible to install a system for accumulating and managing loads at the inverter, in order to increase self-consumption and energy self-sufficiency. Our solution makes it possible to use solar or renewable energy regardless of the time and climatic conditions. The system can be dimensioned in a modular way for different uses with stored energy from 4,1 kWh up to 24,6 kWh.

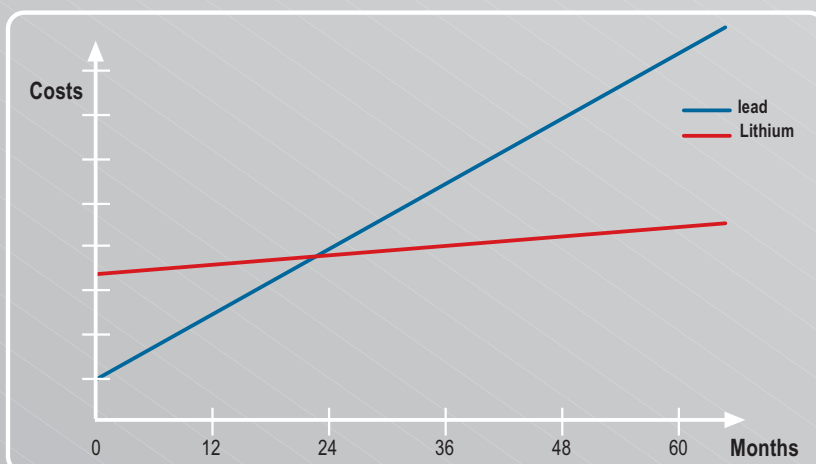
MAIN FEATURES

The LISTORAGE storage system is based on LITHIUM technology with lithium-iron-phosphate cells and, compared to traditional accumulators, it has the following advantages:

- Fast charging (up to 80% in 30 minutes)
- High number of cycles (> 3000 cycles)
- Energy saving (efficiency > 97%)
- High energy density and power
- Zero emissions
- CAN BUS communication, with other devices
- Easy to install (plug and play)



Total Coast of Ownership (TCO) Lithium vs Lead acid (Used 3 shift of 8 hours, with 3 partial recharges per shift)



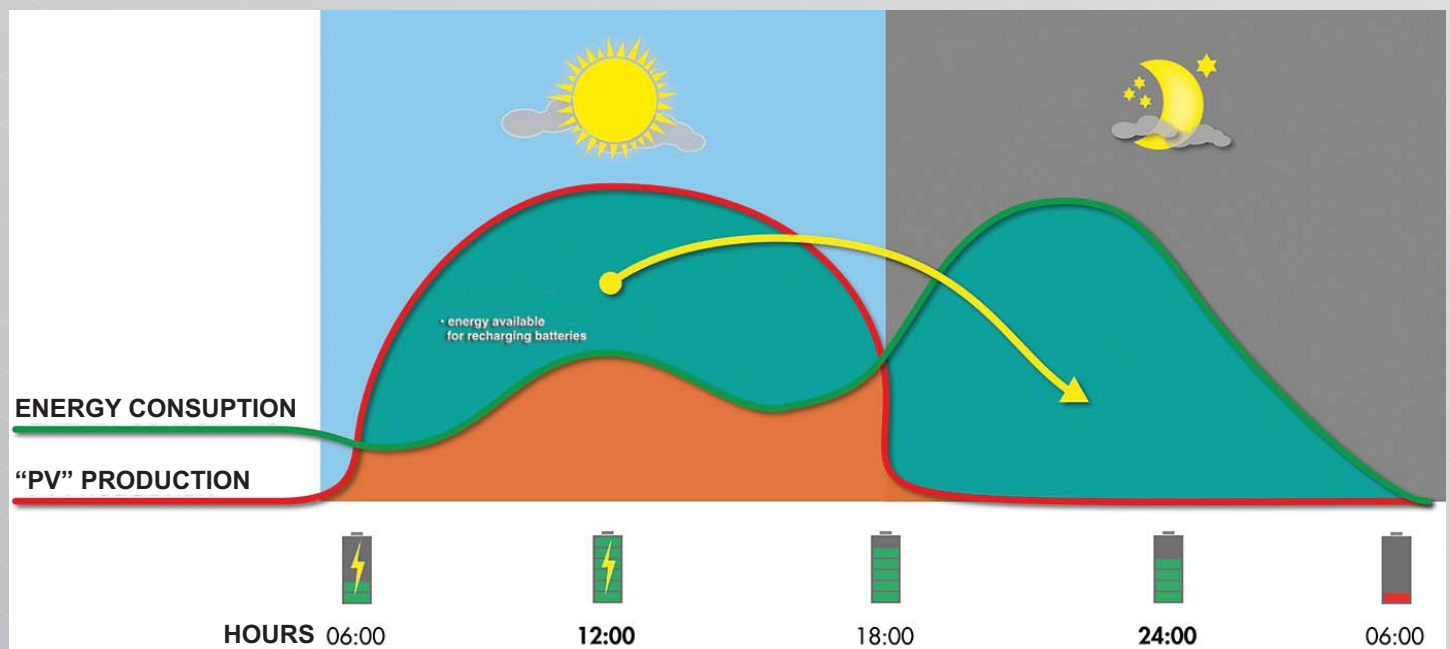
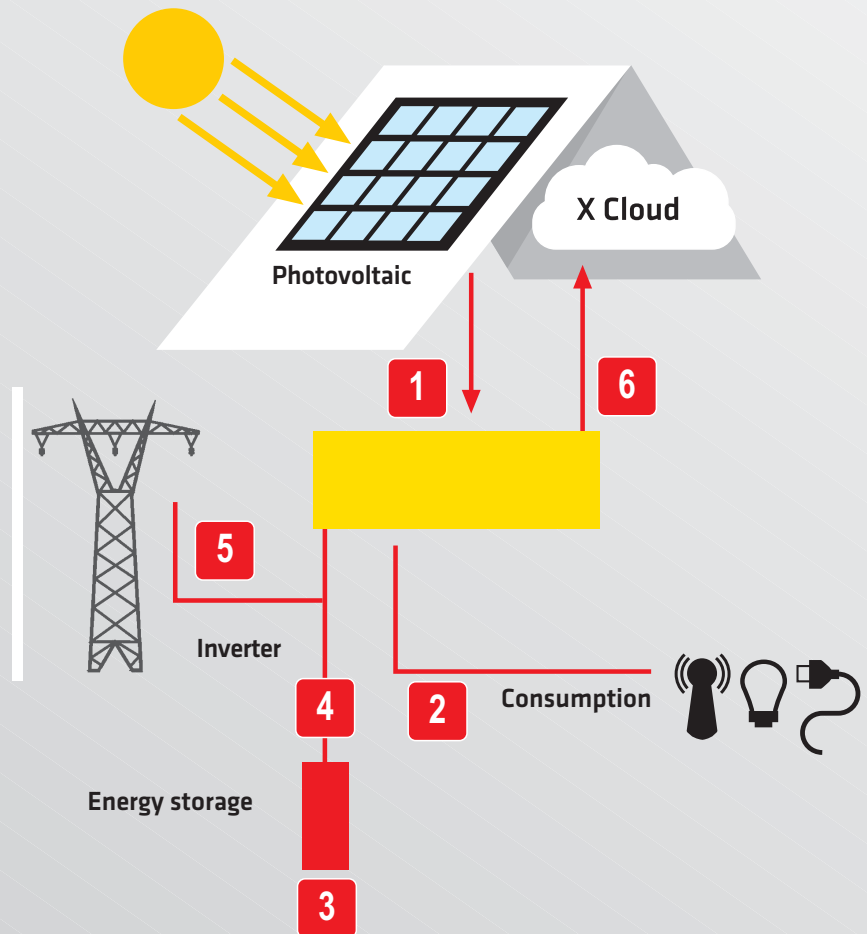


energy where and when you need

How the system works



Through the photovoltaic panels (1) we can use solar energy to directly power the domestic electrical grid (2). The use of batteries (3) is essential to store the excess solar energy produced by postponing consumption. The stored energy can be used (4) to meet the needs in excess of the production of solar panels. When there is no sunlight, the battery allows us to use the solar energy previously accumulated. If the battery is fully charged and the home network does not absorb all the production, it is possible to transfer excess energy to the grid (5). The whole process described can be monitored thanks to a communication interface (6) that may be installed.



FAAM CODE	OPzS CODE	Voltage V	Nominal Capacity Ah at 20°C Vfin/cell					Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%
			 120h	10h	8h	3h	1h		LENGTH L	WIDTH W	HEIGHT H	
			 1,85V	1,8V	1,75V	1,7V	1,6V					

STA SERIES (OPzS) FLOODED; STA-RE SERIES (OPzS) FLOODED RENEWABLE ENERGY

2STA55-12	12V20PzS100	12	130	100	98	82	58	M10	272	205	360	49,7
3STA55-12	12V30PzS150	12	195	150	147	123	87	M10	380	205	360	68,5
3STA55-6	6V30PzS150	6	195	150	147	123	87	M10	272	205	360	41,5
4STA55-6	6V40PzS200	6	260	200	196	164	116	M10	272	205	360	48,5
5STA55-6	6V50PzS250	6	325	250	245	205	145	M10	380	205	360	62,0
6STA55-6	6V60PzS300	6	390	300	294	247	174	M10	380	205	360	69,0
2STA55	20PzS100	2	130	100	98	82	58	M10	103	206	432	13,5
3STA55	30PzS150	2	195	150	148	123	86	M10	103	206	432	16,0
4STA55	40PzS200	2	260	200	196	164	115	M10	103	206	432	18,1
5STA55	50PzS250	2	325	250	246	205	144	M10	124	206	432	22,0
6STA55	60PzS300	2	390	300	292	247	173	M10	145	206	432	25,8
5STA70	50PzS350	2	455	350	341	273	189	M10	124	206	548	27,9
6STA70	60PzS420	2	546	420	408	327	226	M10	145	206	548	33,0
7STA70	70PzS490	2	650	500	476	382	264	M10	166	206	548	38,0
6STA100	60PzS600	2	780	600	577	438	283	M10	145	206	723	44,4
7STA100	70PzS700	2	910	700	668	511	333	2xM10	210	191	723	57,8
8STA100	80PzS800	2	1040	800	761	584	379	2xM10	210	191	723	61,1
10STA100	100PzS1000	2	1300	1000	962	730	473	2xM10	210	233	723	74,8
12STA100	120PzS1200	2	1560	1200	1153	876	567	2xM10	210	275	723	87,9
12STA125	120PzS1500	2	1950	1500	1393	1158	938	2xM10	210	275	873	110,1
14STA125	140PzS1750	2	2275	1750	1712	1369	987	2xM10	210	275	873	118,1
16STA125	160PzS2000	2	2600	2000	1976	1564	1010	3xM10	214	399	849	151,7
18STA125	180PzS2250	2	2925	2250	2177	1760	1139	4xM10	212	487	849	179,1
20STA125	200PzS2500	2	3250	2500	2472	1955	1266	4xM10	212	487	849	187,3
22STA125	220PzS2750	2	3575	2750	2664	2151	1394	4xM10	212	576	849	213,7
24STA125	240PzS3000	2	3900	3000	2953	2346	1515	4xM10	212	576	849	224,3
28STA125	280PzS3500	2	4550	3500	3416	2737	1770	4xM10	212	576	849	237,9

FAAM CODE	OPzS CODE	Voltage V	Nominal Capacity Ah at 20°C Vfin/cell					Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%
			 120h	10h	8h	3h	1h		LENGTH L	WIDTH W	HEIGHT H	
			 1,85V	1,8V	1,75V	1,7V	1,6V					

STAM SERIES (OPzS) FLOODED; STAM-RE SERIES (OPzS) FLOODED RENEWABLE ENERGY

2STAM56	20PzS108	2	135	108	101	83	59	M10	103	206	421	13,8
3STAM56	30PzS163	2	204	163	150	125	91	M10	103	206	421	16,3
4STAM56	40PzS216	2	270	216	200	167	124	M10	103	206	421	18,4
5STAM56	50PzS270	2	338	270	254	209	155	M10	124	206	421	22,3
6STAM56	60PzS320	2	400	320	301	254	184	M10	145	206	421	26,1
5STAM78	50PzS390	2	488	390	350	286	202	M10	124	206	537	28,2
6STAM78	60PzS468	2	585	468	420	338	253	M10	145	206	537	33,3
7STAM78	70PzS546	2	683	546	485	391	303	M10	166	206	537	38,4
6STAM105	60PzS630	2	793	630	587	464	352	M10	145	206	712	44,9
7STAM105	70PzS735	2	926	735	681	539	403	2xM10	210	191	712	58,2
8STAM105	80PzS840	2	1058	840	804	605	479	2xM10	210	191	712	61,6
9STAM105	90PzS945	2	1191	945	824	684	507	2xM10	210	233	712	71,5
10STAM105	100PzS1040	2	1310	1040	977	756	569	2xM10	210	233	712	75,3
12STAM105	120PzS1260	2	1588	1260	1184	912	713	2xM10	210	275	712	88,5

FAAM CODE	Voltage V	Nominal Capacity Ah at 20°C Vfin/cell		Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%
		● 120h	10h		LENGTH L	WIDTH W	HEIGHT H	
		● 1,85V	1,8V					

HPS SERIES FLOODED; HIGH PERFORMANCE SOLAR

4HPS320	2	416	320	M10	198	82	484	20,6
5HPS400	2	520	400	M10	198	101	484	25,1
6HPS480	2	624	480	M10	198	118	484	29,6
7HPS560	2	728	560	M10	198	137	484	34,1
6HPS630	2	819	630	M10	198	118	552	35,9
7HPS735	2	955	735	M10	198	137	552	41,8
8HPS840	2	1092	840	M10	198	155	552	47,3
9HPS945	2	1229	945	2xM10	198	172	552	53,4
10HPS1050	2	1365	1050	2xM10	198	192	552	59,4

FAAM CODE	OPzV CODE	Voltage V	Nominal Capacity Ah at 20°C Vfin/cell					Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%
			 120h	10h	8h	3h	1h		LENGTH L	WIDTH W	HEIGHT H	
			 1,85V	1,8V	1,75V	1,7V	1,6V					

STG SERIES (OPzV) VRLA GEL; STG-RE SERIES (OPzV) VRLA GEL RENEWABLE ENERGY

4STG50	40PzV200	2	260	200	186	154	134	M10	103	206	379	19,0
5STG50	50PzV250	2	325	250	233	193	168	M10	124	206	379	23,0
6STG50	60PzV300	2	390	300	280	232	202	M10	145	206	379	28,0
5STG70	50PzV350	2	456	350	326	270	235	M10	124	206	494	30,0
6STG70	60PzV420	2	546	420	392	324	282	M10	145	206	494	34,0
7STG70	70PzV490	2	650	500	466	386	336	M10	166	206	494	42,0
6STG100	60PzV600	2	780	600	560	463	403	M10	145	206	670	48,5
8STG100	80PzV800	2	1040	800	746	618	538	2xM10	210	191	670	68,0
10STG100	100PzV1000	2	1300	1000	933	772	672	2xM10	210	233	670	80,0
12STG100	120PzV1200	2	1560	1200	1119	927	806	2xM10	210	275	670	97,0
12STG125	120PzV1500	2	1950	1500	1399	1158	1008	2xM10	210	275	818	115,0
16STG125	160PzV2000	2	2600	2000	1865	1545	1344	3xM10	212	399	796	160,0
18STG125	180PzV2250	2	2925	2250	2080	1738	1450	4xM10	212	487	796	180,0
20STG125	200PzV2500	2	3250	2500	2331	1931	1680	4xM10	212	487	796	200,0
24STG125	240PzV3000	2	3900	3000	2798	2317	2016	4xM10	212	576	796	240,0

FAAM CODE	OPzV CODE	Voltage V	Nominal Capacity Ah at 20°C Vfin/cell					Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%
			🟡 120h	10h	8h	3h	1h		LENGTH L	WIDTH W	HEIGHT H	
			🟡 1,85V	1,8V	1,75V	1,7V	1,6V					

STGM SERIES (OPzV) VRLA GEL; STGM-RE SERIES (OPzV) VRLA GEL RENEWABLE ENERGY

4STGM54	40PzV215	2	267	215	197	159	136	M10	103	206	379	19,4
5STGM54	50PzV265	2	329	265	243	202	170	M10	124	206	379	23,3
6STGM54	60PzV320	2	397	320	291	243	204	M10	145	206	379	28,4
5STGM77	50PzV380	2	471	380	346	291	237	M10	103	206	494	32,3
6STGM77	60PzV460	2	570	460	424	350	285	M10	145	206	494	39,0
7STGM77	70PzV530	2	657	530	488	406	339	M10	166	206	494	45,6
6STGM118	60PzV705	2	874	705	644	533	420	M10	145	206	670	51,0
8STGM118	80PzV940	2	1150	940	856	709	572	2xM10	210	191	670	71,3
10STGM118	100PzV1170	2	1440	1170	1072	870	702	2xM10	210	233	670	84,5

FAAM CODE	Voltage V	Nominal Capacity Ah at 20°C Vfin/cell						Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%
		🔴 120h	10h	8h	5h	3h	1h		LENGTH L	WIDTH W	HEIGHT H	
		🔴 1,85V	1,8V	1,75V	1,7V	1,7V	1,6V					
FTG SERIES VRLA GEL TUBULAR FRONT TERMINAL ; FTG-RE SERIES VRLA GEL RENEWABLE ENERGY												
FTG 12-100	12	130	100	96,8	90,0	78,6	61,1	M6	551	110	287	39,0
FTG 12-120	12	156	120	116,8	108,0	94,2	73,3	M6	551	110	287	42,5
FTG 12-150	12	195	150	145,6	135,0	117,9	91,7	M8	549,5	124,5	315	53,0
FAAM CODE	Voltage V	Nominal Capacity Ah at 20°C Vfin/cell						Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%
		🔴 120h	20h	10h	8h	3h	1h		LENGTH L	WIDTH W	HEIGHT H	
		🔴 1,85V	1,8V	1,8V	1,75V	1,7V	1,6V					
FLG SERIES VRLA GEL; FLG-RE SERIES VRLA GEL RENEWABLE ENERGY												
FLG 6-100	6	130	115	100	96,2	77,0	52,5	M6	195	170	205	16,8
FLG 6-200	6	260	220	200	192,2	154,0	105,0	M8	321	176	224	32,5
FLG 12-26	12	31	26	24	21,8	18,7	14,7	M5	166	176	126	8,2
FLG 12-33	12	37	33	28	26,9	21,6	15,6	M6	196	132	177	10,5
FLG 12-42	12	48	42	37	35,6	28,5	19,4	M6	198	166	170	14,0
FLG 12-60	12	65	60	50	48,1	38,5	26,2	M6	259	168	214	21,0
FLG 12-70	12	85	70	65	62,5	50,0	34,1	M6	350	167	178	22,3
FLG 12-100	12	111	100	85	81,7	65,4	44,6	M8	331	176	214	31,5
FLG 12-120	12	134	120	100	96,2	77,0	52,5	M8	407	176	225	38,0
FLG 12-134	12	150	134	115	110,6	88,5	60,4	M8	340	173	280	42,7
FLG 12-150	12	176	150	135	129,8	104,0	70,9	M8	485	172	240	47,5
FLG 12-200	12	234	200	180	173,0	138,6	94,5	M8	522	240	218	66,0
FAAM CODE	Voltage V	Nominal Capacity Ah at 20°C Vfin/cell					Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%	
		20h	10h	8h	3h	1h		LENGTH L	WIDTH W	HEIGHT H		
		1,8V	1,8V	1,75V	1,7V	1,6V						
FLL SERIES VRLA AGM												
FLL 12-17	12	17	15	14,3	11,6	9,2	M5	181	77	167	5,5	
FLL 12-24	12	24	22	21,0	17,0	13,5	M5	166	176	125	8,1	
FLL 12-31	12	31	25	23,8	19,3	13,7	M6	196	132	181	11,2	
FH 12-33	12	28	25	24,0	20,0	14,0	M6	196	132	175	12,5	
FLL 12-42	12	42	37	35,3	28,5	22,7	M6	198	166	170	14,0	
FLL 12-60	12	60	50	47,8	41,5	32,9	M6	259	168	218	23,0	
FLL 12-70	12	70	65	62,0	50,0	39,9	M6	350	167	178	22,8	
FLL 12-100	12	100	85	81,6	65,4	52,1	M8	331	176	218	30,5	
FLL 12-120	12	120	100	95,4	77,0	52,5	M8	407	176	225	38,0	
FLL 12-150	12	150	135	128,7	104,0	70,9	M8	485	172	240	45,5	
FLL 12-200	12	200	180	171,7	138,6	94,5	M8	522	240	224	62,5	
FLL 6-100	6		100	96,4	77,0	52,5	M8	195	170	210	15,5	
FLL 6-150	6		150	143,0	115,5	78,7	M8	260	180	254	24,0	
FLL 6-180	6		180	171,7	138,6	94,5	M8	306	168	229	28,0	
FLL 6-200	6		200	190,7	154,0	105,0	M8	323	178	229	30,5	
FLL 6-225	6		225	214,6	173,2	118,1	M8	260	180	254	31,0	
FLL 200	2		200	190,7	161,4	128,4	M8	183,5	94,5	371,5	13,5	
FLL 300	2		300	286,1	242,1	192,6	M8	183,5	123	371,5	18,5	
FLL 400	2		400	381,4	322,8	256,8	M8	183,5	166	371,5	24,5	
FLL 500	2		500	476,8	403,5	321,1	M8	183,5	194,5	371,5	29,5	
FLL 600	2		600	572,2	484,3	385,3	M8	183,5	223	371,5	35,0	
FLL 800*	2	**	800	762,9	645,7	513,7	2xM8	229	154	566	52,0	
FLL 1000*	2	**	1000	953,6	807,1	642,1	2xM8	229	186	566	62,0	
FLL 1500*	2	**	1500	1430,4	1210,6	963,1	3xM8	229	265,5	566	92,0	

* available only on request

** Horizontal installation  discharge related to Renewable Energy Sources application (RE)

FAAM CODE	Voltage V	Nominal Capacity Ah at 20°C Vfin					Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%
		10h	8h	5h	3h	1h		LENGTH L	WIDTH W	HEIGHT H	
		10,8V	10,5V	10,8V	10,2V	9,6V					

FMR SERIES VRLA AGM

FRONT TERMINAL

FMR 12-50*	12	50,0	49,1	45,3	41,0	31,1	M6	390	105	227	21,5
FMR 12-55	12	55,0	54,0	49,8	45,1	34,2	M6	276	106	224	18,2
FMR 12-70	12	70,0	64,5	62,0	56,1	46,7	M6	395	105	270	24,5
FMR 12-93	12	93,0	91,4	84,2	76,2	57,8	M6	395	105	270	28,5
FMR 12-100	12	100,0	98,2	90,5	81,9	62,1	M6	558	125	227	38,0
FMR 12-125*	12	125,0	122,8	113,2	102,4	77,6	M6	558	126	270	48,0
FMR 12-150	12	150,0	147,4	135,8	122,9	93,1	M6	558	125	270	52,5
FMR 12-155	12	155,0	147,7	130,5	117,9	94,4	M8	552	110	285	49,5
FMR 12-165	12	165,0	162,1	149,4	135,2	102,5	M6	558	126	310	56,0

FAAM CODE	Voltage V	Capacity Ah 20h	Discharge Watt 1,65 V/cell at 20°C				Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%
		10,8 Vfin	5'	10'	15'	30'		LENGTH L	WIDTH W	HEIGHT H	

FHP SERIES VRLA AGM

FHP 12-26	12	26	209,1	134,5	101,9	61,8	M6	166	176	125	9,3
FHP 12-33	12	33	230,1	155,6	127,4	71,5	M6	196	132	181	11,2
FHP 12-42	12	42	313,7	212,1	173,6	97,5	M6	198	166	172	14,5
FHP 12-55	12	55	328,2	229,0	179,0	107,0	M6	229	138	213	17,5
FHP 12-75	12	80	390,7	301,7	271,5	148,2	M6	259	168	218	24,1
FHP 12-90	12	90	596,6	404,1	329,5	176,0	M6	307	169	213	29,5
FHP 12-100	12	100	691,4	467,7	390,6	214,9	M8	331	176	218	32,5
FHP 12-115	12	115	706,8	471,1	398,3	221,4	M8	379	174	224	37,5
FHP 12-120	12	120	743,5	537,1	436,6	246,2	M8	407	176	225	38,0
FHP 12-134	12	134	842,7	569,8	476,0	261,9	M8	340	173	286	44,2
FHP 12-150	12	150	989,7	669,2	545,7	307,8	M8	485	172	240	47,0

FAAM CODE	Voltage V	Capacity Ah 1,8 Vfin/cell		Discharge Watt 1,6 V/fin at 20°C			Terminals Type	DIMENSIONS mm			WEIGHT Kg ±5%
		Ah	Ah	5'	15'	30'		LENGTH L	WIDTH W	HEIGHT H	
		20h	10h								

FTS SERIES VRLA AGM

FTS 12-1.2	12	1,2	1,0	40,3	20,2	12,7	F1	97	44	58	0,58
FTS 12-2.0	12	2,0	1,7	67,2	33,6	21,1	F1	178	35	66	0,97
FTS 12-3.0	12	3,0	2,7	101,0	50,4	31,7	F1	135	68	65	1,30
FTS 12-4.0	12	4,0	3,6	135,0	67,2	42,3	F1	90	70	107	1,45
FTS 12-5.0	12	5,0	4,5	168,8	84,0	52,9	F1	90	70	107	1,65
FTS 12-5.0SL	12	5,0	4,5	168,8	84,0	52,9	F1	152	51	98	1,90
FTS 12-7.0	12	7,0	6,1	246,0	124,8	77,5	F1	151	65	101	2,15
FTS 12-7.2	12	7,2	6,4	252,0	138,0	79,2	F1/F2	151	65	101	2,30
FTS 12-9.0	12	9,0	8,1	426,0	210,0	131,0	F1/F2	151	65	101	2,65
FTS 12-12.0	12	12,0	10,6	434,0	223,2	139,2	F1/F2	151	99	101	4,00
FTS 6-1.2	6	1,2	1,0	20,2	10,1	6,4	F1	97	24	58	0,30
FTS 6-4.0	6	4,0	3,6	67,5	33,6	21,2	F1	70	47	106	0,75
FTS 6-7.0	6	7,0	6,3	126,0	63,0	39,6	F1	150	34	101	1,15
FTS 6-12.0	6	12,0	10,6	202,0	101,0	63,5	F1	150	50	99	1,85

* available only on request

Technical features

Type of Lithium battery		LFP
Nominal capacity	Ah	80
Capacity usable (DoD 80%)	Ah	64
Nominal energy	kWh	4
Energy usable (DoD 80%)	kWh	3.3
Nominal voltage	V DC	51.2
Minimum voltage (cut-off)	V	40
Maximum voltage	V	57.6
Recommended electric current in discharge	A	80
Maximum continuous electric current in discharge(25°)	A	240
Peak electric current in discharge (10 s)	A	400
Recommended charging current	A	20
Maximum continuous current in charge (25°)	A	80
Recommended power in discharge	kW	41,0
Maximum continuous power in discharge (25°C)	kW	12.3
Peak power in discharge (10 s)	kW	20.5
Recommended power in charge	kW	10,2
Maximum continuous power in charge (25°C)	kW	41,0
Efficiency (25°C)	%	96
Estimated life	>years	10
Estimated life in cycles (25°C; DoD 80%)		4000
Functioning temperature in discharge	°C	-20 ÷ 55
Functioning temperature in charge	°C	0 ÷ 45
Optimal functioning temperature	°C	23
Storage temperature	°C	0 ÷ 45
Self-discharge	%month	1,5%
Operating conditions for humidity	R.H.	60% ± 5
Communication		CAN
Cooling		Natural
Dimensions (mm) ≈		435 (L) x 645 (W) x 175 (H)
Weight	Kg	~ 65
Cell safety		UL1642
System safety		IEC 62619
United Nations class		UN 3480
Conformity transport regulation		UN 38.3
Protection class		IP21*
Certification		CE

* Except for special applications
 Other configuration are available upon request.



FAAM Lithium Technology

Li STORAGE LSh4880

Technical features

Type of Lithium battery		LFP
Nominal capacity	Ah	80
Capacity usable (DoD 80%)	Ah	64
Nominal energy	kWh	4
Energy usable (DoD 80%)	kWh	3.3
Nominal voltage	V DC	51.2
Minimum voltage (cut-off)	V	40
Maximum voltage	V	57.6
Recommended electric current in discharge	A	80
Maximum continuous electric current in discharge(25°)	A	240
Peak electric current in discharge (10 s)	A	400
Recommended charging current	A	20
Maximum continuous current in charge (25°)	A	80
Recommended power in discharge	kW	41,0
Maximum continuous power in discharge (25°C)	kW	12.3
Peak power in discharge (10 s)	kW	20.5
Recommended power in charge	kW	10,2
Maximum continuous power in charge (25°C)	kW	41,0
Efficiency (25°C)	%	96
Estimated life	>years	10
Estimated life in cycles (25°C; DoD 80%)		4000
Functioning temperature in discharge	°C	-20 ÷ 55
Functioning temperature in charge	°C	0 ÷ 45
Optimal functioning temperature	°C	23
Storage temperature	°C	0 ÷ 45
Self-discharge	%month	1,5%
Operating conditions for humidity	R.H.	60% ± 5
Communication		CAN
Cooling		Natural
Dimensions (mm)		463 (L) x 165 (W) x 703 (H)
Weight	Kg	~ 65
Cell safety		UL1642
System safety		IEC 62619
United Nations class		UN 3480
Conformity transport regulation		UN 38.3
Protection class		IP54
Certification		CE

Other configuration are available upon request.



STAND-BY



This catalogue cancels and replaces the previous one. FIB srl reserves the right to modify at any time and without prior notice the information contained in this catalogue.

FAAM



SERI industrial 

FIB Srl *Sede Legale*

Strada Prov.le per Gioia - Centro Aziendale Quercete
81016 **SAN POTITO SANNITICO** (CE) - ITALY
P. IVA 03866680618 - Cap. Soc. € 8.000.000,00
Tel: +39 0823 786235 - Fax: +39 0823 543828
info@serihg.com - www.serihg.com

Sedi Operative - Production and commercial site

Zona industriale via Monti, 13
63825 **MONTERUBBIANO** (FM) - ITALY
Tel: +39 073425751
Fax: +39 0734257593
info@faam.com - www.faam.com

Località Macchia
71037 **MONTE SANT'ANGELO** (FG) - ITALY
Tel: + 39 0884 589500
Fax: +39 0884 589501
info@faam.com - www.faam.com

Industrial Zone - Xushe Town
Yixing - Jiangsu (**CHINA**)
Tel: +86 051 087600222
Fax: +86 051 087600223
info@faam.com - www.faam.com

