



FXH SERIES

HIGH TEMPERATURE LONG LIFE UPS BATTERIES with *HT Element X Alloy™*

FXH SERIES

Proven in the real world, the FXH Series of telecom batteries provides security and long life in extremely hot climates where other VRLA batteries just don't survive. The FXH technology utilizes GS Yuasa Energy Solutions' proprietary *HT Element X Alloy™* and active material additives. The FXH Series is the most cost effective battery solution over the total life cycle and for initial installation in your network.

10 YEAR DESIGN LIFE

- + Standby application

CAPACITY RANGE

- + 179WPC - 826WPC (15 min. rate)

COMPLIANCE

- + UL 1989
- + IEC 60896-21+22
- + ISO 9001:2000 factory manufactured
- + UL 94V-0

HIGH TEMPERATURE LONG LIFE DESIGN

- + *HT Element X Alloy™* extends life in high temp applications
- + Primary lead for long life
- + Low calcium alloy for long life
- + Additives to maintain compression
- + Designed to control charging current as temperature increases
- + No thermal runaway
- + Epoxy sealed terminals to prevent post leaks
- + Rugged ABS cases to minimize handling damage
- + AGM Technology enables Spill Proof Operation
- + High gas recombination efficiency
- + Can be used in any orientation excluding continuous use inverted



POWERING THE NEXT GENERATION



FXH SERIES

HIGH TEMPERATURE LONG LIFE
UPS BATTERIES with *HT Element X Alloy™*

SPECIFICATIONS

MODEL	NOMINAL VOLTAGE (V)	Watt per batt @25°C FV1.67 15min	RECOMMENDED TEMPERATURE		L		W		H		WEIGHT		TERMINAL
			Charge / Discharge	Storage	mm	in.	mm	in.	mm	in.	kg	lbs.	
FXH45-12IFR	12	1072	-0 to 40°C (32 to 104°F)	-20 to 40°C (-4 to 104°F)	278	10.94	103	4.06	197	7.76	15.0	33.1	Top M6, Front M5
FXH90-12IFR		2035			395	15.55	105	4.13	255	10.04	30.0	66.1	Top M8, Front M6
FXH100-12IFR		2422			508	20.00	106	4.17	236	9.29	34.0	75.0	Top M6, Front M6
FXH140-12IFR		3595			556	21.89	123	4.84	295	11.61	51.0	112.4	Top M8, Front M6
FXH155-12IFR		2957			415	16.34	174	6.85	258	10.16	50.5	111.3	Front M6
FXH185-12IFR		3800			556	21.89	125	4.92	317	12.48	60.7	133.8	Top M8, Front M6
FXH190-12IFR		4508			604	23.78	123	4.84	320	12.60	67.0	147.7	Top M8, Front M6
FXH200-12IFR		4954			520	20.47	243	9.57	230	9.06	70.6	155.6	Top M8

DISCHARGE WATTS PER CELL@25°C FV1.67

MODEL	DISCHARGE TIME (min.)					
	5	15	20	30	45	1H
FXH45-12IFR	282	179	147	110	80	63
FXH90-12IFR	575	339	277	203	147	118
FXH100-12IFR	714	404	339	249	180	144
FXH140-12IFR	907	599	498	370	270	216
FXH155-12IFR	780	493	409	312	235	189
FXH185-12IFR	1000	633	523	396	293	235
FXH190-12IFR	1082	751	629	468	342	275
FXH200-12IFR	1288	826	701	520	380	308

DISCHARGE WATTS PER BATT@25°C FV1.67

MODEL	DISCHARGE TIME (min.)					
	5	15	20	30	45	1H
FXH45-12IFR	1689	1072	884	658	477	380
FXH90-12IFR	3447	2035	1664	1217	884	707
FXH100-12IFR	4284	2422	2036	1495	1080	863
FXH140-12IFR	5441	3595	2988	2220	1621	1293
FXH155-12IFR	4678	2957	2455	1874	1409	1136
FXH185-12IFR	6001	3800	3136	2375	1757	1412
FXH190-12IFR	6493	4508	3776	2807	2051	1651
FXH200-12IFR	7727	4954	4205	3117	2280	1850

ABOUT GS YUASA ENERGY SOLUTIONS, INC.

GS Yuasa Energy Solutions, Inc. is an American subsidiary of GS Yuasa Corporation, the world's second largest battery company and a 100+ year old Japanese corporation. GS Yuasa Energy Solutions (GYES) was formed in 2019 to address the growing energy storage and reserve power markets. GYES brings together and leverages GS Yuasa Group's advanced technologies with proven American market successes in lithium, telecom, UPS, alarm & security, and energy storage into a single business unit.



GS Yuasa Energy Solutions, Inc.
1150 Northmeadow Pkwy. Suite 110
Roswell, GA 30076 (800) 472-2879
www.gsyuasa-es.com

