



SWU425-12FR

12V 425Wpc UPS BATTERY with *HT Element X Alloy™*

TECHNICAL DATA SHEET



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

10 YEAR DESIGN LIFE

- + Standby application

CAPACITY RANGE

- + 425Wpc (15 min. rate)

COMPLIANCE

- + UL 1989
- + IEC 60896-21+22
- + UL 94V-0

SPECIFICATIONS

MODEL	NOMINAL VOLTAGE (V)	Watts per batt @25°C FV1.67 15min	* OPERATING TEMP RANGE	L		W		H		TH		WEIGHT		TERMINAL
				mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs.	
SWU425-12FR	12	2548	-40 to 65°C (-40 to 149°F)	305	12.01	173	6.81	223	8.80	223	8.80	32.9	72.5	M6

*Refer to Product Manual for optimum temperature range

DISCHARGE WATTS PER CELL@25°C

FV	DISCHARGE TIME (Min.)					
	5	10	15	20	30	60
1.8	569	452	376	321	248	141
1.75	636	493	401	336	258	146
1.7	692	525	419	346	265	149
1.67	714	537	425	348	266	149
1.6	773	567	439	353	269	150



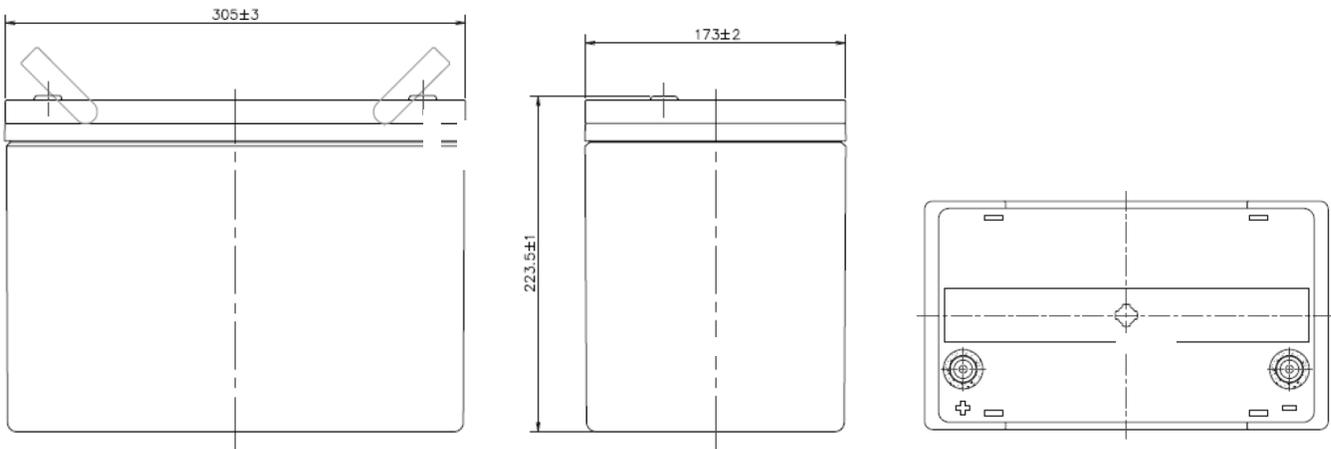
Creating the Future of Energy



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units: mm



- **Recommended Float Charge Voltage: 13.65V +/- 0.15V**
- **Recommended Temperature Compensation: 3mv/°C/cell**
- **Internal Resistance: Approximately 3.6 mΩ measured with 1kHz AC bridge**
- **Terminal Torque: 45 in.lbs.**
- **Maximum 5 Second Discharge Current: 630A**
- **Maximum 1 Minute Discharge Current: 315A**

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.



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