



SWU500-12FR

12V 500Wpc 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

- + 500Wpc (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.	
SWU500-12FR	12	3000	-40 to 65°C (-40 to 149°F)	341	13.43	173	6.81	281	11.06	281	11.06	44.0	97.0	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	616	514	437	374	283	170
1.75	688	560	465	391	295	175
1.7	756	602	491	406	305	180
1.67	784	619	500	411	308	182
1.6	854	658	520	419	314	184

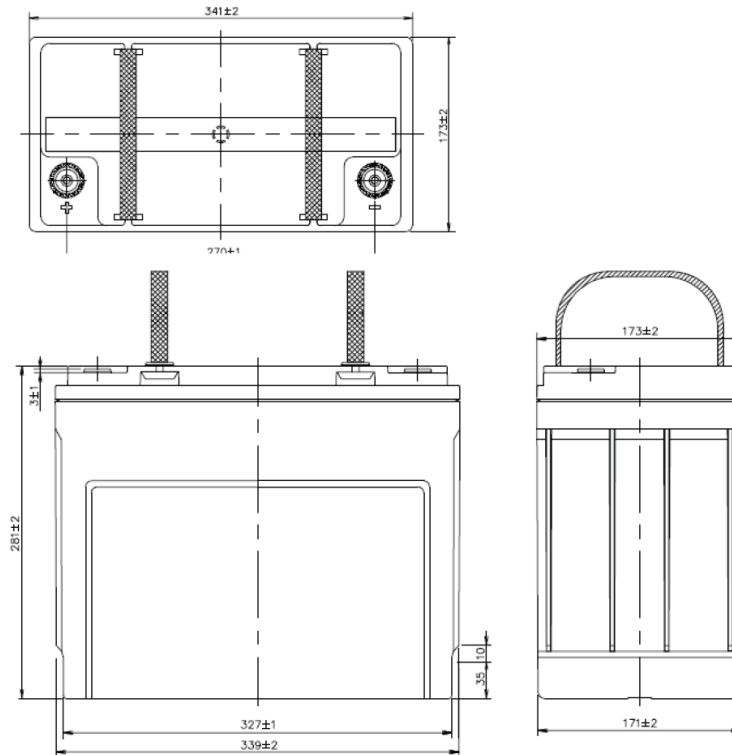


POWERING THE NEXT GENERATION



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units: mm

- **Recommended Float Charge Voltage: 13.65V +/- 0.15V**
- **Recommended Temperature Compensation: 3mv/°C/cell**
- **Internal Resistance: Approximately 3.2 mΩ measured with 1kHz AC bridge**
- **Terminal Torque: 45 in.lbs.**
- **Maximum Continuous Discharge Current: 405A**
- **Maximum 5 Second Continuous Discharge Current: 810A**

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.

