



# SWU500-12FR

12V 500Wpc UPS BATTERY with *HTX Alloy™*

## TECHNICAL DATA SHEET



### LONG LIFE DESIGN

- + *HTX 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 |

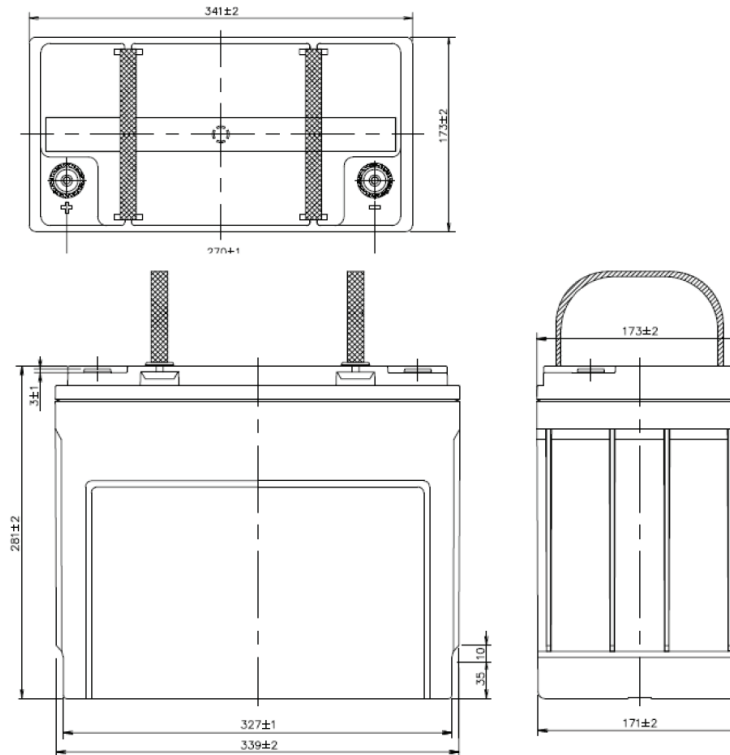


POWERING THE NEXT GENERATION



# SWU500-12FR

## 12V 500Wpc UPS BATTERY TECHNICAL DATA SHEET



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.

