# SWU Series

Valve Regulated Lead-Acid (VRLA)
Absorbed Glass Mat (AGM)

Yuasa SWU Series with ***HT X Alloy™***, high temperature batteries optimized for performance and life




The SWU Series high rate batteries have proven they provide:

- security and long life in extremely hot climates where other VRLA batteries just don't survive.
- most value for Total Cost of Ownership.

**10 Year Standby Design Life**

**Capacity Range**

210wpc - 751wpc, 15m to 1.67vpc @ 25°C (77°F)
60 Ah - 218 Ah, 20hto 1.75vpc @ 25°C (77°F)

**Features:**

Flame arresting one-way vent
Epoxy sealed terminals to prevent post leaks
Rugged UL 94V-0 ABS case to minimize handling damage

**Features providing longer life:**

***HT X Alloy™***
Proprietary Additives
Lead Calcium Grids
Primary Lead
Strategic use of Tin
Optimized AGM Separators

**Applications:**

Uninterruptible Power Supply (UPS)
Datacenter
Switchgear & Control
Energy

**CERTIFICATIONS/COMPLIANCE**

ISO 9001
ISO 14001
IEC 60896-21
UL recognized component, UL1989
TAA Compliant - Available
DRC Conflict Free

GS YUASA
Creating the Future of Energy

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# SWU Series

Valve Regulated Lead-Acid (VRLA)
Absorbed Glass Mat (AGM)

| Model | Nominal Volts | wpc at 25°C (77°F) | | Ampere hour | Dimensions | | | | | | | | Weight | | Terminals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5m to 1.67vpc | 15m to 1.67vpc | 20h to 1.75vpc, 25°C (77°F) | Length | | Width | | Case Height | | Total Height | | | | |
| | | | | | mm | in. | mm | in. | mm | in. | mm | in. | kg | lbs | |
| SWU210-12FR | 12 | 337 | 210 | 60.0 | 226.0 | 8.90 | 135.0 | 5.31 | 207.0 | 8.15 | 210.0 | 8.27 | 18.4 | 40.57 | Top - M6 |
| SWU300-12FR | | 509 | 308 | 80.0 | 259.0 | 10.20 | 168.0 | 6.61 | 209.5 | 8.25 | 212.5 | 8.37 | 27.0 | 59.52 | Top - M6 |
| SWU360-12FR | | 615 | 358 | 90.0 | 305.0 | 12.01 | 173.0 | 6.81 | 220.0 | 8.66 | 223.0 | 8.78 | 31.0 | 68.34 | Top - M6 |
| SWUF390-12FR | | 644 | 391 | 104.0 | 508.0 | 20.00 | 106.0 | 4.17 | 236.0 | 9.29 | 236.0 | 9.29 | 34.0 | 74.96 | Front - M6, Top - M6 |
| SWU425-12FR | | 714 | 425 | 105.0 | 305.0 | 12.01 | 173.0 | 6.81 | 220.0 | 8.66 | 223.0 | 8.78 | 32.9 | 72.53 | Top - M6 |
| SWU500-12FR | | 815 | 500 | 151.0 | 341.0 | 13.43 | 173.0 | 6.81 | 281.0 | 11.06 | 281.0 | 11.06 | 44.0 | 97.00 | Top - M6 |
| SWU585-12FR | | 931 | 584 | 155.0 | 341.0 | 13.43 | 173.0 | 6.81 | 281.0 | 11.06 | 281.0 | 11.06 | 48.6 | 107.14 | Top - M6 |
| SWUF590-12FR | | 940 | 606 | 178.0 | 556.0 | 21.89 | 125.0 | 4.92 | 280.0 | 11.02 | 280.0 | 11.02 | 52.7 | 116.18 | Front - M6, Top - M8 |
| SWUF630-12FR | | 1,000 | 633 | 204.0 | 556.0 | 21.89 | 125.0 | 4.92 | 317.0 | 12.48 | 317.0 | 12.48 | 60.7 | 133.82 | Front - M6, Top - M8 |
| SWUF750-12FR | | 1,129 | 751 | 218.0 | 604.0 | 23.78 | 123.0 | 4.84 | 320.0 | 12.60 | 320.0 | 12.60 | 67.0 | 147.71 | Front - M6, Top - M8 |

| Discharge, Watts per cell at 25°C (77°F) to 1.67vpc | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | 1m | 2m | 4m | 5m | 6m | 8m | 10m | 15m | 20m | 30m | 45m | 1h |
| SWU210-12FR | 540 | 478 | 386 | 337 | 317 | 288 | 266 | 210 | 169 | 125 | 90.5 | 71.7 |
| SWU300-12FR | 727 | 643 | 547 | 509 | 477 | 428 | 389 | 308 | 256 | 190 | 134 | 112 |
| SWU360-12FR | 935 | 815 | 692 | 615 | 574 | 515 | 468 | 358 | 292 | 217 | 159 | 125 |
| SWUF390-12FR | 965 | 813 | 691 | 644 | 603 | 537 | 483 | 391 | 319 | 238 | 175 | 139 |
| SWU425-12FR | 973 | 901 | 765 | 714 | 658 | 583 | 537 | 425 | 348 | 266 | 182 | 149 |
| SWU500-12FR | 1,073 | 1,029 | 874 | 815 | 756 | 681 | 619 | 500 | 410 | 308 | 227 | 182 |
| SWU585-12FR | 1,184 | 1,086 | 998 | 931 | 863 | 766 | 700 | 584 | 480 | 350 | 259 | 212 |
| SWUF590-12FR | 1,182 | 1,078 | 975 | 940 | 884 | 805 | 742 | 606 | 495 | 370 | 271 | 216 |
| SWUF630-12FR | 1,259 | 1,148 | 1,038 | 1,000 | 942 | 856 | 789 | 633 | 523 | 396 | 293 | 235 |
| SWUF750-12FR | 1,319 | 1,249 | 1,160 | 1,129 | 1,063 | 967 | 891 | 751 | 629 | 468 | 342 | 275 |

| Discharge, Amperes at 25°C (77°F) to 1.67vpc | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Model | 1m | 2m | 4m | 5m | 6m | 8m | 10m | 15m | 20m | 30m | 45m | 1h |
| SWU210-12FR | 315 | 279 | 223 | 194 | 182 | 164 | 150 | 118 | 93.7 | 68.1 | 48.5 | 38.0 |
| SWU300-12FR | 422 | 373 | 314 | 292 | 274 | 248 | 228 | 170 | 136 | 101 | 69.2 | 55.9 |
| SWU360-12FR | 546 | 436 | 367 | 325 | 305 | 275 | 251 | 187 | 151 | 111 | 79.5 | 61.8 |
| SWUF390-12FR | 557 | 473 | 399 | 370 | 346 | 304 | 270 | 210 | 170 | 126 | 91.4 | 71.8 |
| SWU425-12FR | 568 | 526 | 443 | 412 | 378 | 333 | 305 | 238 | 193 | 136 | 95.7 | 75.2 |
| SWU500-12FR | 609 | 584 | 492 | 457 | 424 | 383 | 351 | 280 | 228 | 168 | 122 | 96.1 |
| SWU585-12FR | 680 | 624 | 569 | 529 | 486 | 428 | 389 | 311 | 251 | 179 | 131 | 106 |
| SWUF590-12FR | 672 | 612 | 549 | 525 | 492 | 445 | 408 | 329 | 266 | 196 | 141 | 111 |
| SWUF630-12FR | 736 | 670 | 601 | 575 | 540 | 488 | 447 | 355 | 290 | 216 | 157 | 125 |
| SWUF750-12FR | 761 | 721 | 670 | 652 | 612 | 553 | 506 | 421 | 349 | 255 | 183 | 146 |

*Non-spillable, meets or exceeds DOT and IATA requirements for non-hazardous transportation*

**Long Shelf Life:** The extremely low self discharge rate allows the battery to be stored for extended periods, up to one year at normal ambient temperatures with no permanent loss of capacity

Pb

MH12970

GS Yuasa Energy Solutions, Inc. (GYES) is an American subsidiary of GS Yuasa Corporation, the world's second largest lead battery manufacturer. GS Yuasa Corporation is a Japanese corporation known for quality and global firsts. GS Yuasa Group globally produces several battery chemistries serving many markets and applications, such as Backup Power, Renewable Energy, Traction, Automotive, Motorcycle, Satellites, Aircrafts, and more.

GYES leverages GS Yuasa's advanced technologies with proven successes in American markets with Lithium, and Lead-acid in Telecom, UPS, Alarm (Fire & Security), Energy Storage, and other applications.

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Creating the Future of Energy

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