



SWU300-12FR

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

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

SPECIFICATIONS

Battery Model:	SWU300-12FR
Nominal Voltage:	12
Capacity: 15 minute rate, 1.67vpc @ 25°C (77°F)	308
20-hr rate, 1.75vpc @ 25°C (77°F)	80.0
Case Material:	UL94V-0
Terminal Options:	Top - M6
Terminal Torque (Terminals using Bolts):	M6, 4.9Nm (43 in-lb)
Dimensions:	
◦ Length (mm inches)	259.0 10.20
◦ Width (mm inches)	168.0 6.61
◦ Case Height (mm inches)	209.5 8.25
◦ Height over Terminal (mm inches)	212.5 8.37
Weight (kg lbs):	27.0 59.52
Short circuit current (A):	1655
Maximum charge current (A):	18.5
Internal Resistance (mΩ):	4.7

GENERAL

Design Life:	10 Years
Flame arresting one-way vent	
Epoxy sealed terminals to prevent post leaks	
Rugged ABS cases to minimize handling damage	
Storage:	
◦ Capacity loss per month at 25°C (77°F)	~3%
◦ In fully charged condition	-20°C to 60°C (-4°F to 140°F)
Operating Temperature Range:	-40°C to 65°C (-40°F to 149°F)
◦ Refer to Product Manual for optimum temperature range	
Float Charge Voltage:	
◦ Charge voltage at 25°C (77°F)	2.275±1%/cell
◦ Temperature correction factor from 25°C (77°F)	-3mV per °C/cell

Features providing longer life:

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

Applications:

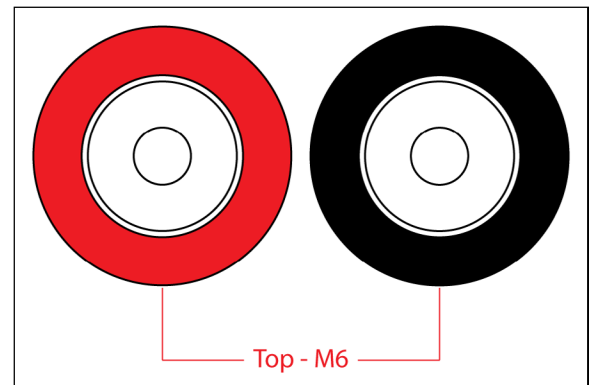
- Uninterruptible Power Supply (UPS)
- Datacenter
- Switchgear & Control
- Energy



CERTIFICATIONS/COMPLIANCE

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

TERMINAL OPTIONS



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



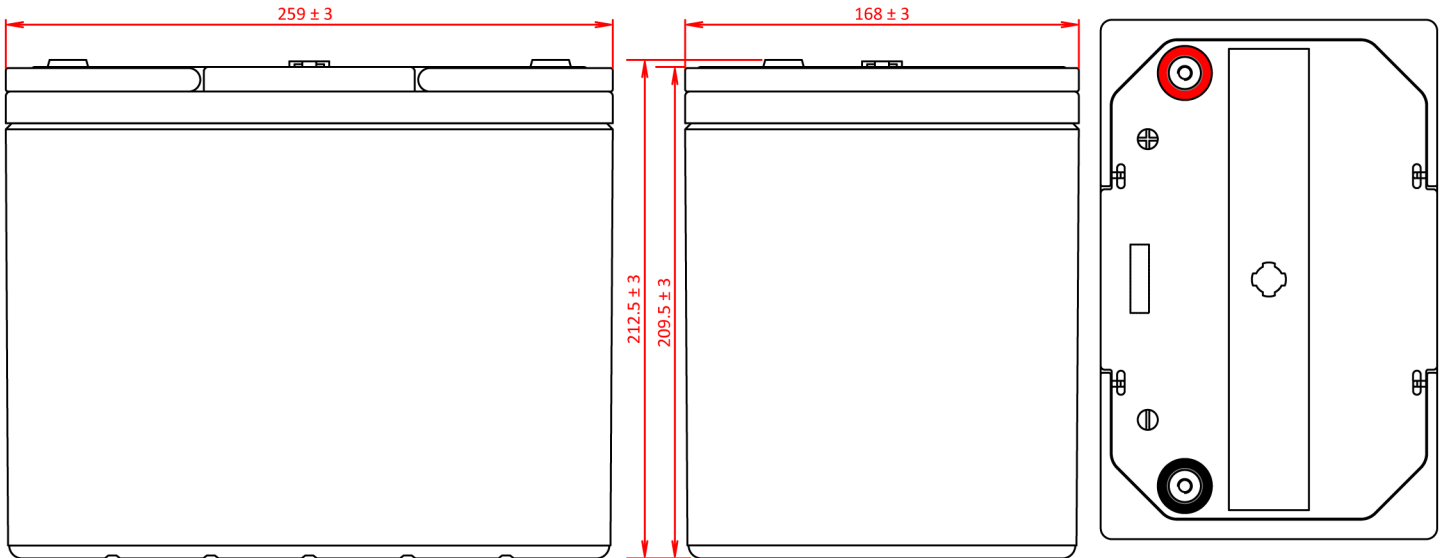
(800) 472-2879
www.gsyuasa-es.com
sales@gsyuasa-es.com

GS Yuasa Energy Solutions, Inc
1150 Northmeadow Pkwy, Suite 110
Roswell, GA 30076



SWU300-12FR

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



Discharge, Watts per Cell @ 25°C (77°F)												
End vpc	1m	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h
1.75vpc	646	571	491	461	433	392	359	294	248	184	131	110
1.70vpc	699	619	527	493	463	419	384	306	254	189	133	111
1.67vpc	727	643	547	509	477	428	389	308	256	190	134	112
1.60vpc	801	709	597	554	514	453	404	315	260	193	135	113

Discharge, Amps @ 25°C (77°F)												
End vpc	1m	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h
1.75vpc	346	306	262	245	232	214	201	154	126	94.0	66.3	55.0
1.70vpc	408	361	306	285	268	244	225	168	135	100	68.8	55.7
1.67vpc	422	373	314	292	274	248	228	170	136	101	69.2	55.9
1.60vpc	456	403	336	310	289	258	235	174	140	103	69.4	56.4

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.

Distributed By:



WARNING: Cancer and Reproductive Harm. Wash hands after handling. www.P65Warnings.ca.gov