SWU210-12FR

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:	SWU210-12FR
Nominal Voltage:	12
Capacity: 15 minute rate, 1.67vpc @ 25°C (77°F)	210
20-hr rate, 1.75vpc @ 25°C (77°F)	60.0
Case Material:	UL94V-0
Terminal Options:	Top - M6
Terminal Torque (Terminals using Bolts):	M6, 4.9Nm (43 in-lb)
Dimensions:	
◦ Length (mm|inches)	226.0 | 8.90
◦ Width (mm|inches)	135.0 | 5.31
◦ Case Height (mm|inches)	207.0 | 8.15
◦ Height over Terminal (mm|inches)	210.0 | 8.27
Weight (kg|lbs):	18.4 | 40.57
Short circuit current (A):	1240
Maximum charge current (A):	13.6
Internal Resistance (mΩ):	5.0

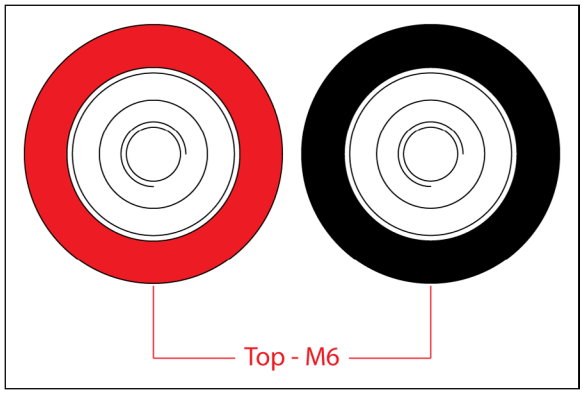
GENERAL

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

CERTIFICATIONS/COMPLIANCE

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

TERMINAL OPTIONS



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

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

Pb MH12970

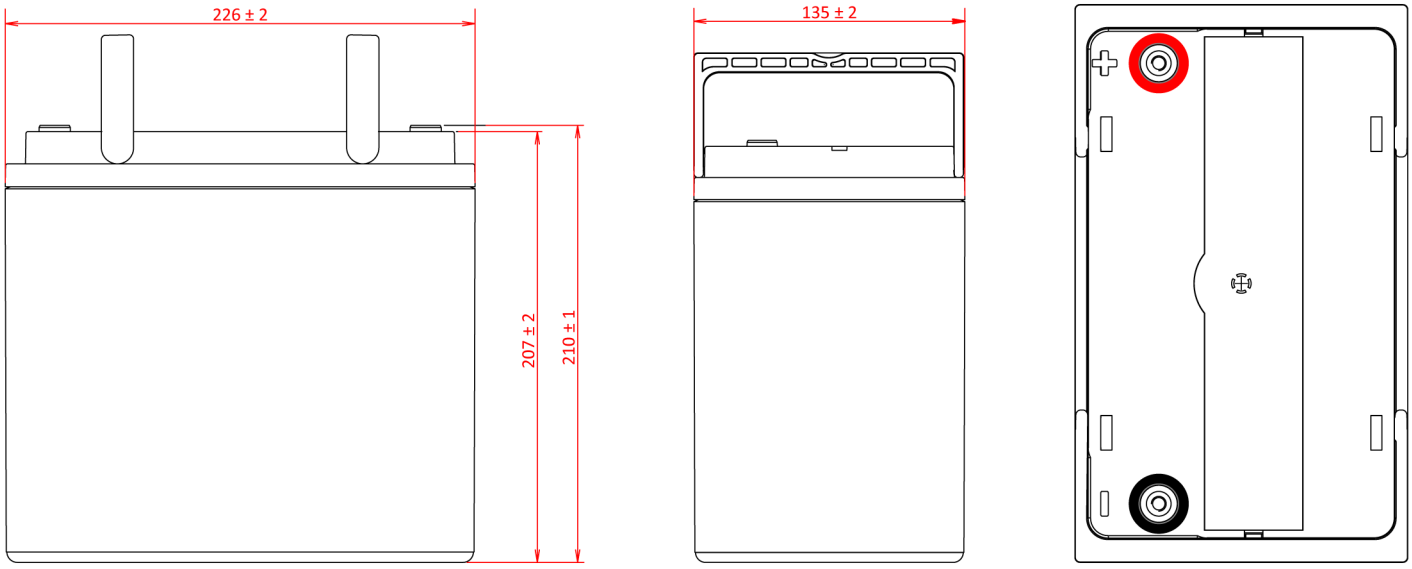
GS YUASA
Creating the Future of Energy

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

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

SWU210-12FR

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	473	418	342	300	284	262	244	199	163	121	88.4	70.3
1.70vpc	521	461	373	326	308	281	260	208	168	124	90.1	71.5
1.67vpc	540	478	386	337	317	288	266	210	169	125	90.5	71.7
1.60vpc	593	525	420	365	342	308	281	217	171	126	91.0	72.0

Discharge, Amps @ 25°C (77°F)												
End vpc	1m	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h
1.75vpc	264	233	190	166	157	144	133	107	87.6	64.2	46.3	36.5
1.70vpc	299	265	213	185	174	158	145	114	92.0	67.0	47.9	37.6
1.67vpc	315	279	223	194	182	164	150	118	93.7	68.1	48.5	38.0
1.60vpc	362	321	254	219	205	183	166	126	98.2	70.8	50.0	39.0

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

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

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

MKT-132 SWU210-12FR Spec Sheet ver. 1.0 08-2025