



SWU360-12FR

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:	SWU360-12FR
Nominal Voltage:	12
Capacity: 15 minute rate, 1.67vpc @ 25°C (77°F)	358
20-hr rate, 1.75vpc @ 25°C (77°F)	90.0
Case Material:	UL94V-0
Terminal Options:	Top - M6
Terminal Torque (Terminals using Bolts):	M6, 4.9Nm (43 in-lb)
Dimensions:	
◦ Length (mm inches)	305.0 12.01
◦ Width (mm inches)	173.0 6.81
◦ Case Height (mm inches)	220.0 8.66
◦ Height over Terminal (mm inches)	223.0 8.78
Weight (kg lbs):	31.0 68.34
Short circuit current (A):	1900
Maximum charge current (A):	20.4
Internal Resistance (mΩ):	3.5

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:

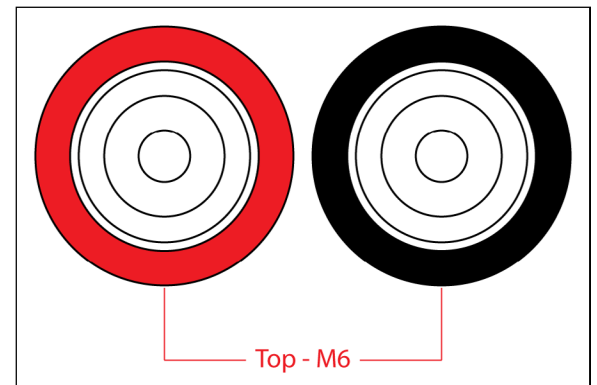
- Uninterruptible Power Supply (UPS)
- Datacenter
- Switchgear & Control
- Energy



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



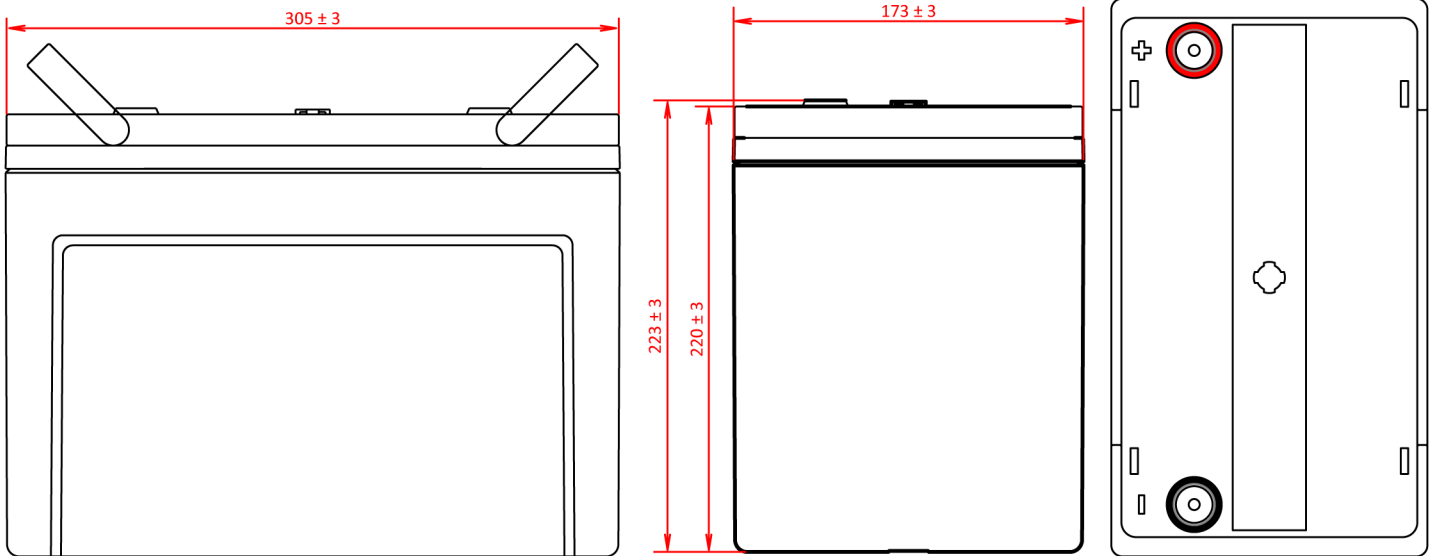
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Discharge, Watts per Cell @ 25°C (77°F)												
End vpc	1m	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h
1.75vpc	818	727	625	558	524	473	432	341	283	210	155	124
1.70vpc	901	797	679	605	565	505	457	353	290	215	158	125
1.67vpc	935	815	692	615	574	515	468	358	292	217	159	125
1.60vpc	1,026	864	727	643	602	543	497	371	299	222	161	127

Discharge, Amps @ 25°C (77°F)												
End vpc	1m	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h
1.75vpc	456	402	343	306	286	255	232	176	143	106	77.0	60.0
1.70vpc	517	429	363	322	301	271	248	186	150	110	79.0	61.6
1.67vpc	546	436	367	325	305	275	251	187	151	111	79.5	61.8
1.60vpc	600	458	382	336	315	284	260	193	155	113	81.0	62.4

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



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