PWL12V38

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

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

SPECIFICATIONS

Battery Model:	PWL12V38
Nominal Voltage:	12
Capacity: 8-hr rate, 1.75vpc @ 25°C (77°F)	32.6
20-hr rate, 1.75vpc @ 25°C (77°F)	37.8
Case Material:	UL94V-0
Terminal Options:	Top - M5 Stud
Terminal Torque (Terminals using Bolts):	2.5Nm (22 in-lb)
Dimensions:	
◦ Length (mm|inches)	197.0 | 7.76
◦ Width (mm|inches)	163.0 | 6.42
◦ Case Height (mm|inches)	174.0 | 6.85
◦ Height over Terminal (mm|inches)	174.0 | 6.85
Weight (kg|lbs):	14.0 | 30.86
Short circuit current (A):	2080
Maximum charge current (A):	8.14
Internal Resistance (mΩ):	7.0

GENERAL

Design Life:	13+ Years
	More than 5 years at 35°C
	Exceeds Telecordia GR-1200 criteria
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:

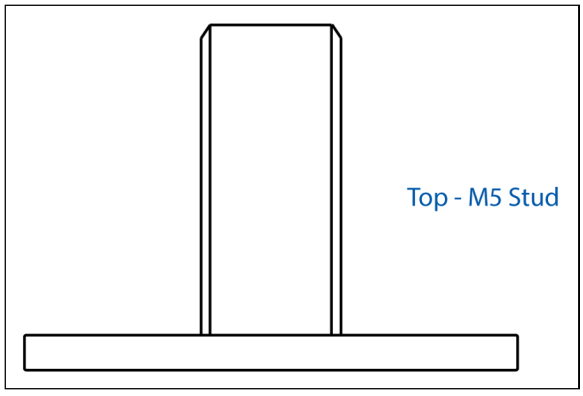
Telecom
Broadband
Emergency Lighting
Signaling and Traffic
Energy
Switchgear & Control

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

CERTIFICATIONS/COMPLIANCE

- ISO 9001
- ISO 14001
- VZ TPR-9802
- GR-4228-CORE
- GR-1089
- GR-63 NEBS
- IEC 60896-21
- UL recognized component, UL1989
- TAA Compliant - Available
- DRC Conflict Free

TERMINAL OPTIONS



Pb MH12970

GS YUASA
Creating the Future of Energy

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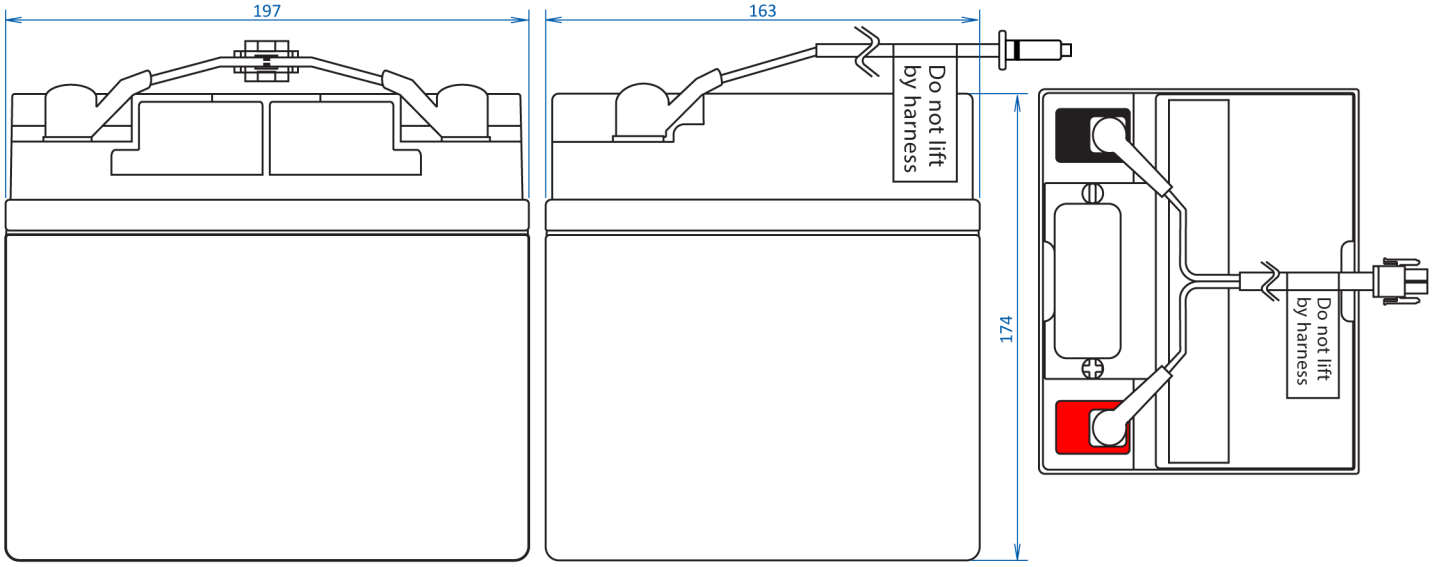

Discharge, Amps @ 25°C (77°F)											
End vpc	1.5h	2h	3h	4h	5h	6h	7h	8h	10h	20h	24h
1.85vpc	15.9	11.5	8.20	6.50	5.40	4.60	4.10	3.70	3.00	1.70	1.50
1.80vpc	17.2	12.4	8.86	6.97	5.79	4.97	4.37	3.91	3.25	1.82	1.60
1.75vpc	17.8	12.9	9.22	7.25	6.02	5.17	4.55	4.07	3.38	1.89	1.60
1.70vpc	18.4	13.4	9.58	7.53	6.25	5.37	4.72	4.22	3.51	1.97	1.70

Discharge, Watts @ 25°C (77°F)											
End vpc	1.5h	2h	3h	4h	5h	6h	7h	8h	10h	20h	24h
1.85vpc	177	145	105	83.0	69.1	59.5	52.4	46.9	38.5	20.3	16.9
1.80vpc	186	151	110	87.4	72.4	62.2	54.7	49.0	40.3	21.2	17.7
1.75vpc	189	154	112	88.8	73.8	63.4	55.7	49.9	41.1	21.5	18.0
1.70vpc	190	155	113	89.6	74.4	63.9	56.2	50.3	41.4	21.7	18.3

Order Number:	Description
T53-0002-00	Quantity 1, PWL12V38
T53-0002-04	Quantity 4, PWL12V38 w/harness per each battery

Distributed By:

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

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