PYL12V100FT

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

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

SPECIFICATIONS

Battery Model:	PYL12V100FT
Nominal Voltage:	12
Capacity: 8-hr rate, 1.75vpc @ 25°C (77°F)	100.0
20-hr rate, 1.75vpc @ 25°C (77°F)	104.0
Case Material:	UL94V-0
Terminal Options:	Front - M6
	Top - M6
Terminal Torque (Terminals using Bolts):	M6, 4.9Nm (43 in-lb)
	M6, 4.9Nm (43 in-lb)
Dimensions:	
◦ Length (mm|inches)	508.0 | 20.00
◦ Width (mm|inches)	106.0 | 4.17
◦ Case Height (mm|inches)	236.0 | 9.29
◦ Height over Terminal (mm|inches)	236.0 | 9.29
Weight (kg|lbs):	34.9 | 76.94
Short circuit current (A):	2390
Maximum charge current (A):	25.0
Internal Resistance (mΩ):	3.0

GENERAL

Design Life:	10+ 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

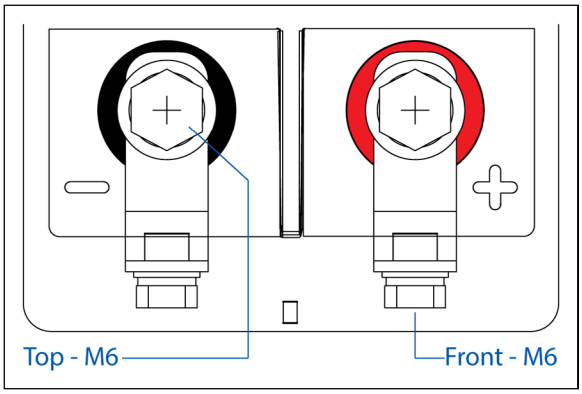
Applications:

Telecom
Broadband
Emergency Lighting
Signaling and Traffic
Energy
Switchgear & Control

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



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

Pb MH12970

GS YUASA
Creating the Future of Energy

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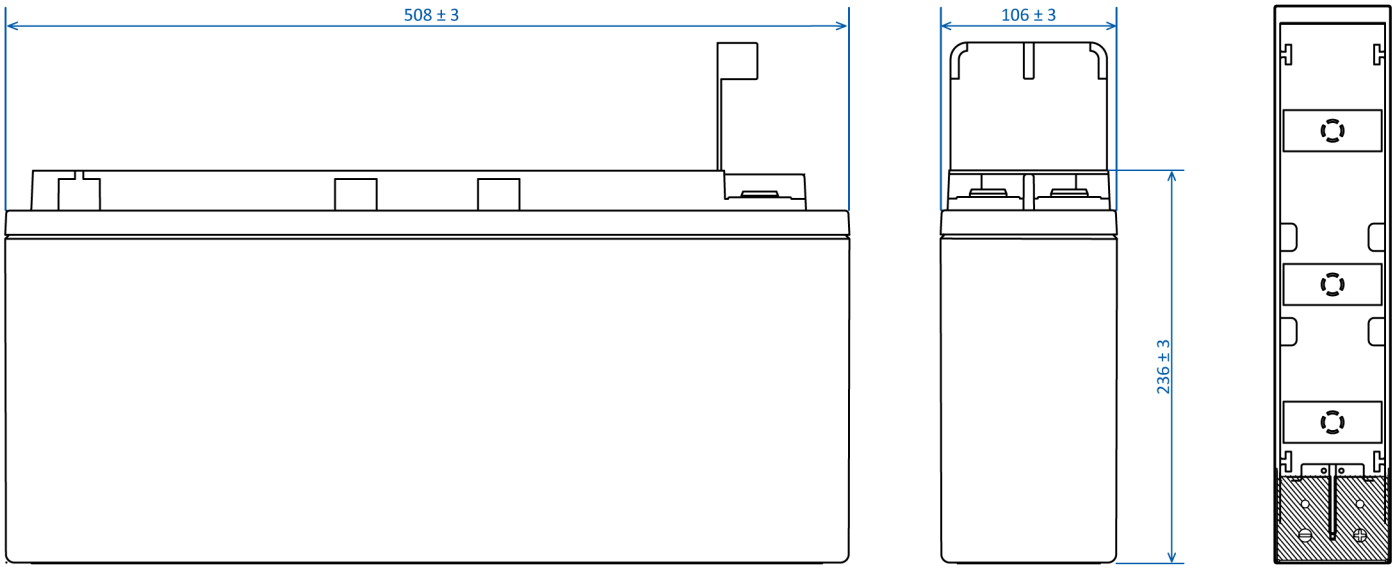

Discharge, Amps @ 25°C (77°F)											
End vpc	1.5h	2h	3h	4h	5h	6h	7h	8h	10h	20h	24h
1.85vpc	45.0	35.5	24.4	19.6	16.7	14.1	12.4	11.4	9.52	4.86	4.07
1.80vpc	48.0	37.7	25.9	20.7	17.6	14.9	13.0	12.0	10.0	5.10	4.27
1.75vpc	48.8	38.2	26.1	20.9	17.7	15.1	13.2	12.5	10.2	5.20	4.36
1.70vpc	49.7	38.4	26.2	21.0	17.8	15.2	13.4	12.5	10.3	5.30	4.44

Discharge, Watts @ 25°C (77°F)											
End vpc	1.5h	2h	3h	4h	5h	6h	7h	8h	10h	20h	24h
1.85vpc	534	422	293	235	200	169	148	136	114	59.9	50.2
1.80vpc	564	446	309	247	210	177	156	142	118	62.0	52.0
1.75vpc	574	451	311	249	212	178	157	143	119	62.5	52.4
1.70vpc	580	454	313	251	213	180	158	145	120	63.0	52.8

Order Number:	Description
T56-0001-00	Quantity 1, PYL12V100FT
T56-0001-02	Quantity 2, PYL12V100FT w/hardware
T56-0001-04	Quantity 4, PYL12V100FT w/hardware

Distributed By:

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

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