



PYL12V90TT

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:	PYL12V90TT
Nominal Voltage:	12
Capacity: 8-hr rate, 1.75vpc @ 25°C (77°F)	92.0
20-hr rate, 1.75vpc @ 25°C (77°F)	98.8
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):	32.0 70.55
Short circuit current (A):	1900
Maximum charge current (A):	23.0
Internal Resistance (mΩ):	3.5

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

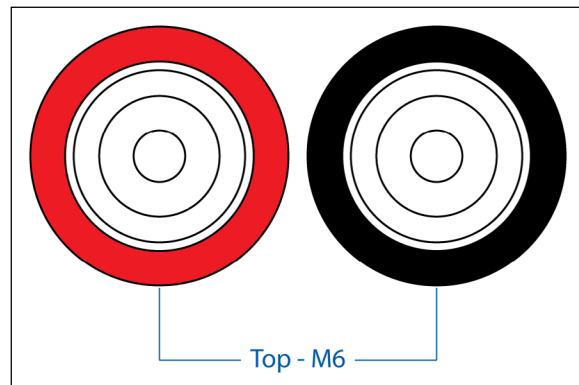
Non-spillable, meets or exceeds DOT and IATA requirements for non-hazardous transportation



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

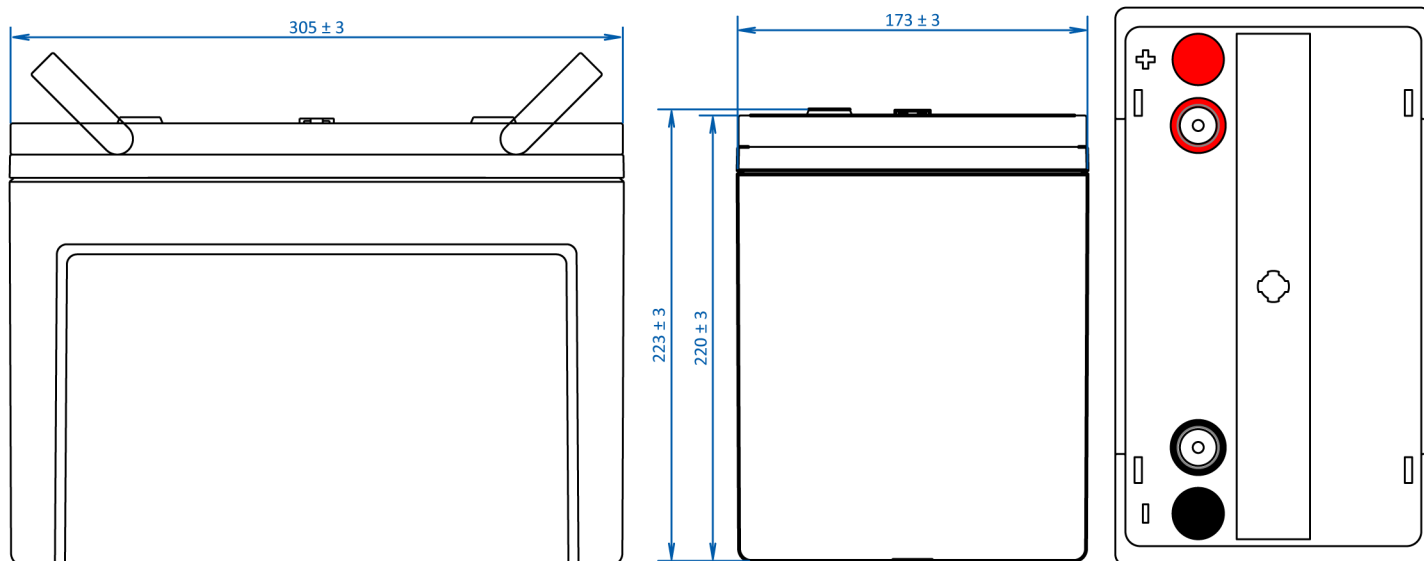
TERMINAL OPTIONS





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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	41.3	31.8	22.7	18.2	15.4	13.0	11.4	10.9	8.78	4.47	3.74
1.80vpc	43.0	32.9	23.5	18.8	16.0	13.4	11.8	11.2	9.00	4.57	3.83
1.75vpc	42.9	33.1	23.6	18.9	16.1	13.8	12.2	11.5	9.40	4.94	4.14
1.70vpc	43.5	33.4	23.9	19.1	16.2	13.9	12.3	11.6	9.50	4.95	4.15

Discharge, Watts @ 25°C (77°F)

End vpc	1.5h	2h	3h	4h	5h	6h	7h	8h	10h	20h	24h
1.85vpc	508	391	280	224	184	163	143	139	108	57.2	48.0
1.80vpc	519	400	286	229	188	166	146	142	111	58.5	49.0
1.75vpc	522	403	288	230	189	167	147	143	111	59.6	49.9
1.70vpc	526	407	291	232	190	168	148	145	112	60.4	50.6

Order Number:

T58-0007-00

T58-0007-04

Description

Quantity 1, PYL12V90TT

Quantity 4, PYL Series w/hardware

Distributed By:



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



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