PYL12V185FT

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:	PYL12V185FT
Nominal Voltage:	12
Capacity: 8-hr rate, 1.75vpc @ 25°C (77°F)	185.6
20-hr rate, 1.75vpc @ 25°C (77°F)	204.0
Case Material:	UL94V-0
Terminal Options:	Front - M6
	Top - M8
Terminal Torque (Terminals using Bolts):	M6, 4.9Nm (43 in-lb)
	M8, 10.17Nm (90 in-lb)
Dimensions:	
◦ Length (mm|inches)	556.0 | 21.89
◦ Width (mm|inches)	125.0 | 4.92
◦ Case Height (mm|inches)	317.0 | 12.48
◦ Height over Terminal (mm|inches)	317.0 | 12.48
Weight (kg|lbs):	60.7 | 133.82
Short circuit current (A):	3700
Maximum charge current (A):	46.4
Internal Resistance (mΩ):	2.5

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

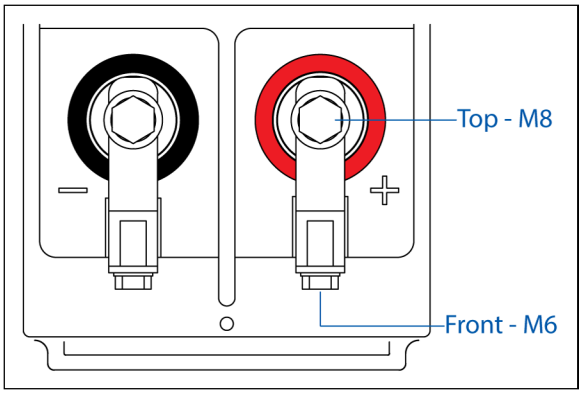
Applications:

Telecom
Broadband
Emergency Lighting
Signaling and Traffic
Energy
Switchgear & Control

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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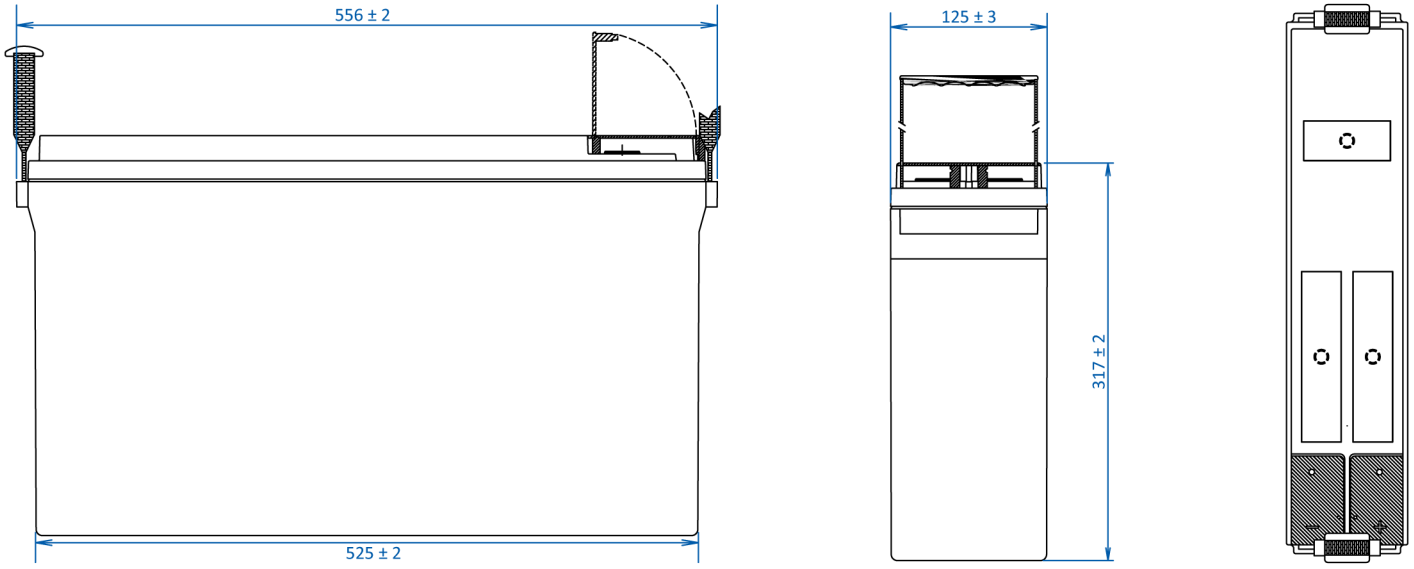

Discharge, Amps @ 25°C (77°F)											
End vpc	1.5h	2h	3h	4h	5h	6h	7h	8h	10h	20h	24h
1.85vpc	79.7	65.4	48.1	38.5	32.2	27.7	24.3	21.8	18.4	9.69	8.13
1.80vpc	83.7	68.4	50.1	39.9	33.3	28.8	25.2	22.4	18.9	9.90	8.41
1.75vpc	87.3	71.2	52.0	41.3	34.4	29.7	26.0	23.2	19.3	10.2	8.66
1.70vpc	90.7	73.9	53.8	42.6	35.5	30.6	26.8	23.8	19.8	10.5	8.89

Discharge, Watts @ 25°C (77°F)											
End vpc	1.5h	2h	3h	4h	5h	6h	7h	8h	10h	20h	24h
1.85vpc	945	777	574	460	385	332	292	262	221	117	98.5
1.80vpc	980	805	593	474	396	342	301	269	227	120	101
1.75vpc	1,011	829	609	487	407	351	308	275	232	123	104
1.70vpc	1,038	851	624	498	416	359	315	281	237	126	106

Order Number:	Description
T56-0002-00	Quantity 1, PYL12V185FT
T56-0002-04	Quantity 4, PYL12V185FT w/hardware

Distributed By:

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

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