



PYL12V90TT 12V 92Ah-8Hr

HIGH TEMPERATURE SUPER LONG LIFE BATTERY with *HT Element X Alloy™*

TECHNICAL DATA SHEET



HIGH TEMPERATURE LONG LIFE DESIGN

- + *HT Element X Alloy™* extends life in high temp applications
- + Additives to maintain compression
- + Designed to control charging current as temperature increases
- + No thermal runaway
- + Epoxy sealed terminals to prevent post leaks
- + Rugged ABS cases to minimize handling damage

10+ YEAR DESIGN LIFE

- + Exceeds Telcordia GR-1200 criteria
- + Greater than 5 years at 35°C

COMPLIANCE

- + VZ TPR-9802
- + GR-4228
- + GR-1089
- + GR-63 NEBS

SAFETY

- + UL 94V-0
- + UL 1989

SPECIFICATIONS

MODEL	NOMINAL VOLTAGE (V)	*RATED CAPACITY at 8 Hr (Ah)	** OPERATING RANGE	L		W		H		TH		WEIGHT		TERMINAL
				mm	in.	mm	in.	mm	in.	mm	in.	kg	lbs.	
PYL12V90TT	12	92	-40 to 65°C (-40 to 149°F)	305	12.0	173	6.8	220	8.7	224	8.8	32.0	70.6	Top-M6 Bolt

*Maximum Charge Current is 25% of the 8 Hr. Rate

**Refer to Product Manual for optimum temperature range

AMPERES TO FINAL VOLTAGE: 1.75V@25°C (77°F)

MODEL	DISCHARGE TIME (Hr)										
	2	3	4	5	6	7	8	9	10	12	20
PYL12V90TT	33.1	23.6	18.9	16.1	14.1	12.5	11.5	10.3	9.4	8.3	4.9

WATTS TO FINAL VOLTAGE: 1.75V@25°C (77°F)

MODEL	DISCHARGE TIME (Hr)										
	2	3	4	5	6	7	8	9	10	12	20
PYL12V90TT	403	288	230	189	171	159	143	125	111	101	60

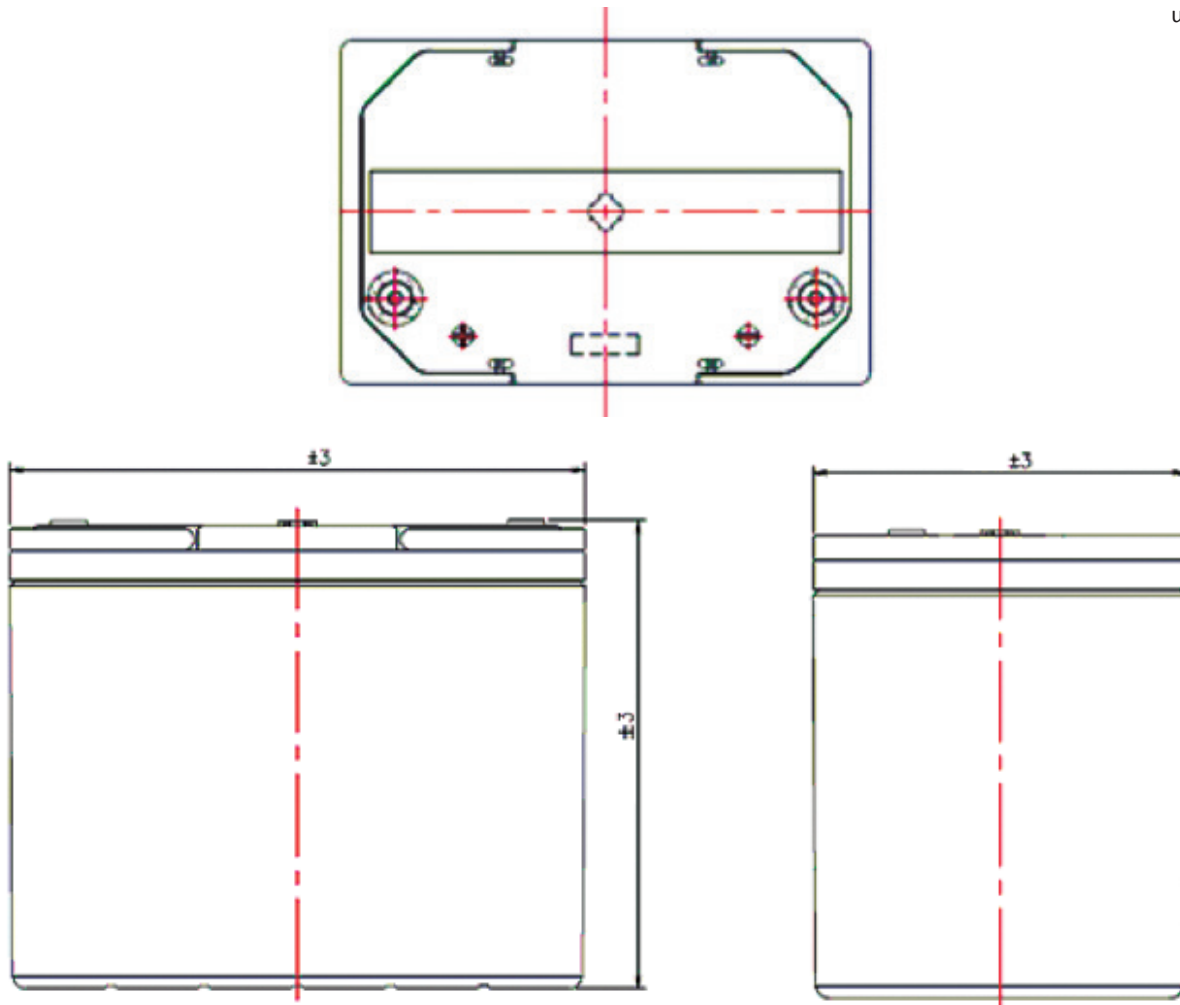


POWERING THE NEXT GENERATION



PYL12V90TT 12V 92Ah-8Hr HIGH TEMPERATURE SUPER LONG LIFE BATTERY with *HT Element X Alloy™*

units: mm



- Float Charge Voltage: 13.65 ± 0.15 @ 25°C
- Temperature Compensation: Adjust float charge voltage $+3\text{mV}/^{\circ}\text{C}/\text{cell}$ for temperatures $<25^{\circ}\text{C}$; $-3\text{mV}/^{\circ}\text{C}/\text{cell}$ for temperatures $>25^{\circ}\text{C}$.
- Internal Resistance: Approximately $3.5\text{m}\Omega$ measured with 1kHz AC bridge
- Terminal Hardware Torque: 43.4 in-lbs. (4.9 Nm)

ABOUT GS YUASA ENERGY SOLUTIONS, INC.

GS Yuasa Energy Solutions, Inc. is an American subsidiary of GS Yuasa Corporation, the world's second largest battery company and a 100+ year old Japanese corporation. GS Yuasa Energy Solutions (GYES) was formed in 2019 to address the growing energy storage and reserve power markets. GYES brings together and leverages GS Yuasa Group's advanced technologies with proven American market successes in lithium, telecom, UPS, alarm & security, and energy storage into a single business unit.



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