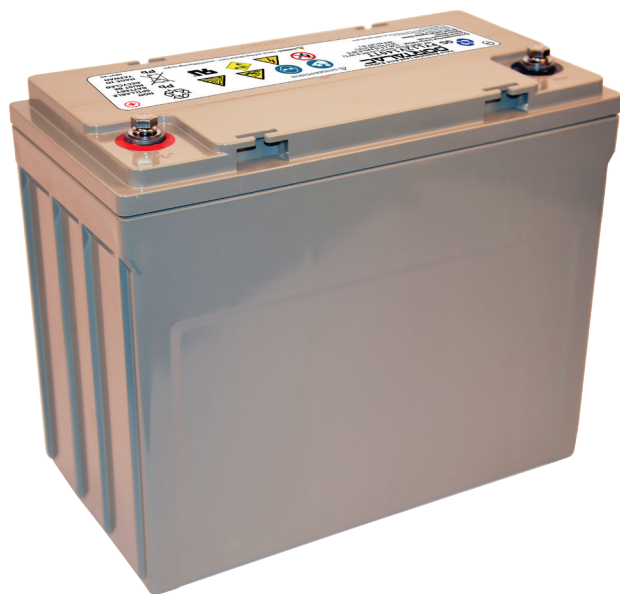




PYL12V140TT 12V 140Ah-8Hr

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

TECHNICAL DATA SHEET



HIGH TEMPERATURE LONG LIFE DESIGN

- + *HT 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.	
PYL12V140TT	12	140	-40 to 65°C (-40 to 149°F)	341	13.4	173	6.8	281	11.0	281	11.0	49.0	108.0	Top-M8 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
PYL12V140TT	59.0	42.2	32.9	27.1	22.2	19.7	17.5	15.9	14.6	12.8	7.9

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
PYL12V140TT	709	499	386	318	269	235	206	188	171	145	93



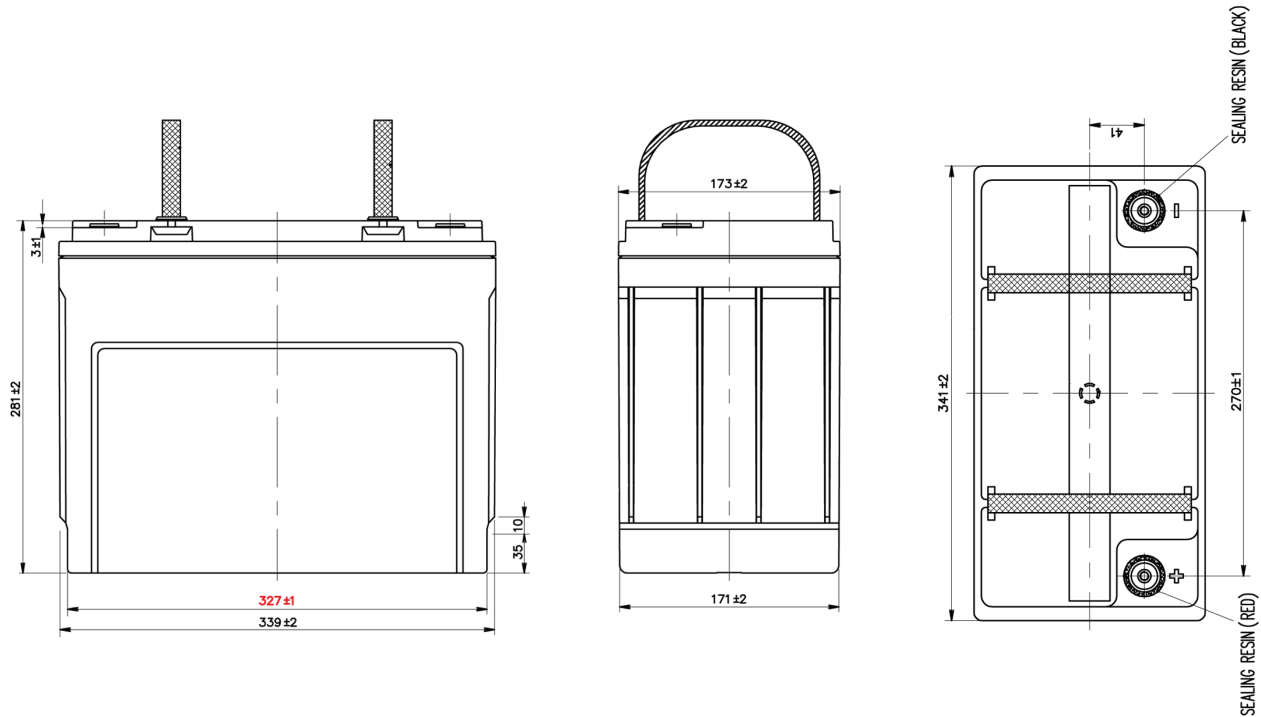
Creating the Future of Energy



PYL12V140TT 12V 140Ah-8Hr

HIGH TEMPERATURE SUPER LONG LIFE
BATTERY with *HT 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: 90 in-lbs. (10.17 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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