



# PYB12V110TT

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

PYB with **HT X Alloy™**, high temperature battery optimized for performance and life



The GS Yuasa Broadband high temperature battery is built using proven technologies providing:

- long life in extremely hot climates where other VRLA batteries just don't survive
- most value for Total Cost of Ownership

## FEATURES PROVIDING LONGER LIFE

### **HT X Alloy™**

- Proprietary Additives
- Lead Calcium Grids
- Primary lead
- Strategic use of Tin
- Optimized AGM Separators

## 10+ YEAR DESIGN LIFE

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

## COMPLIANCE & SAFETY

- ISO 9001
- ISO 14001
- IEC 60896-21
- GR-4228
- GR-1089
- GR-63 NEBS
- UL recognized component, UL1989
- UL 94V-0
- TAA Compliant
- DRC Conflict Free

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



Creating the Future of Energy

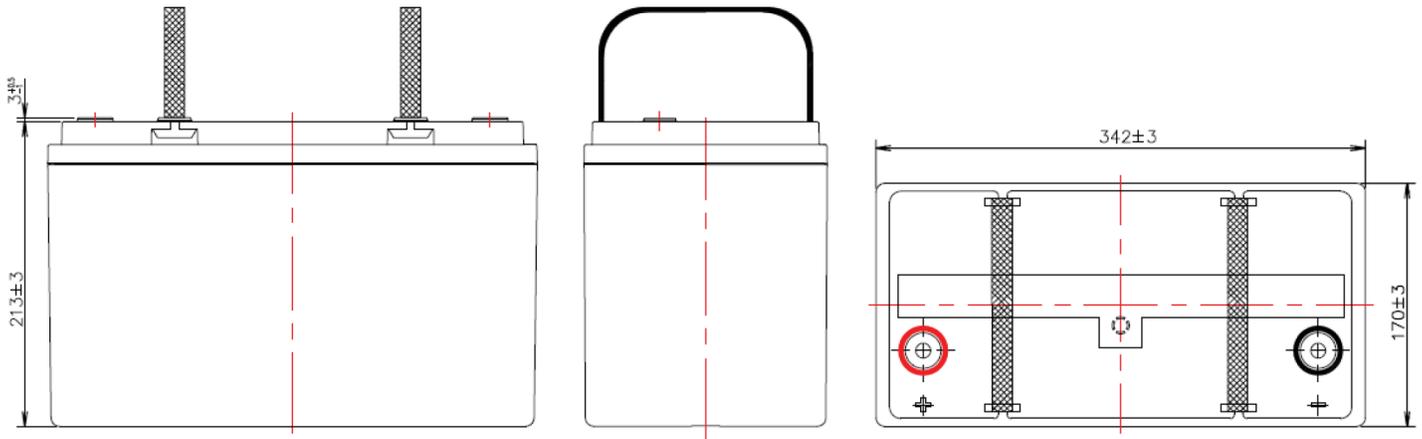
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Valve Regulated Lead-Acid (VRLA)  
Absorbed Glass Mat (AGM)



General	PYB12V110TT
Operating Temperature Range (w/Temperature Compensation)	-40°F to 149°F / -40°C to 65°C (Charger temp comp @ ±3 mV/°C per cell)
Storage Temperature	5°F to 113°F / -15°C to 45°C
Self Discharge	Storage up to 12 months @ 77°F (25°C)
Battery Voltage	12V
Float Charge Voltage	13.65V ±0.15V @ 77°F (25°C)
Refresh/Boost Charge Voltage	14.4V - 15.0V @ 77°F (25°C)
Terminal Type	M6 Threaded Insert
Terminal Hardware Torque	43 in-lbs / 4.9Nm
Case Size	31
Dimensions (H x L x W)	8.5 x 13.5 x 6.7 in. / 216 x 342 x 170 mm
Weight	81.6 lbs / 37kg

Battery	PYB12V110TT
Runtime Rating 25A @ 77°F (25°C) to 1.75Vpc	240 minutes
Ah Capacity 20h Rate @ 77°F (25°C) to 1.75Vpc	120 Ah
Ah Capacity 10h Rate @ 77°F (25°C) to 1.80Vpc	111 Ah
Maximum Discharge Current (<5 seconds)	690A
Short Circuit Current	2,900A
Internal Resistance	3mΩ
Conductance Reference Value	TBD

Constant Current Nominal Rate - Amperes @ 77°F (25°C) to 1.75Vpc										
Discharge Time (Hours)	1	2	3	4	5	6	8	10	12	20
PYB12V110TT	79.9	45.4	32.0	24.9	20.6	17.4	13.8	11.4	9.60	5.98

GS Yuasa Energy Solutions, Inc. (GYES) is an American subsidiary of GS Yuasa Corporation, the world's second largest lead battery manufacturer. GS Yuasa Corporation is a Japanese corporation known for quality and global firsts. GS Yuasa Group globally produces several battery chemistries serving many markets and applications, such as Backup Power, Renewable Energy, Traction, Automotive, Motorcycle, Satellites, Aircrafts, and more.

GYES leverages GS Yuasa's advanced technologies with proven successes in American markets with Lithium, and Lead-acid in Telecom, UPS, Alarm (Fire & Security), Energy Storage, and other applications.

Distributed By:



**WARNING: Cancer and Reproductive Harm. Wash hands after handling. [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

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