



# NP1.2-6

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

Yuasa NP/NPX Series with **HT X Alloy™**, high temperature batteries optimized for performance and life

## SPECIFICATIONS

Battery Model:	NP1.2-6
Nominal Voltage:	6
Capacity: 20-hr rate, 1.75vpc @ 25°C (77°F)	1.2 Ah
Case Material Options:	UL94HB UL94V-0 (FR)
Terminal Options:	Faston .187 in. (F1)
Terminal Torque (Terminals using Bolts):	
Dimensions:	
◦ Length (mm   inches)	97.0   3.82
◦ Width (mm   inches)	25.0   0.98
◦ Case Height (mm   inches)	51.0   2.01
◦ Height over Terminal (mm   inches)	54.5   2.15
Weight (kg   lbs):	0.30   0.66
Max continuous discharge current, 5 seconds (A):	18
Short circuit current (A):	50
Max charge current (A):	0.300
Internal Resistance (mΩ):	~49.0



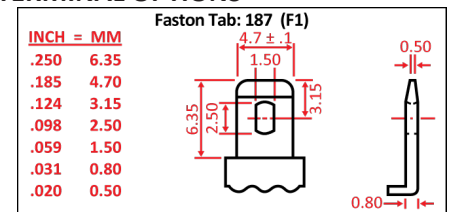
## GENERAL

Design Life:	4-6 Years
Storage:	
◦ Capacity loss per month at 25°C (77°F)	~3%
Operating Temperature Range:	
◦ Storage (in fully charged condition)	-20°C to 60°C (-4°F to 140°F)
◦ Charge	-15°C to 50°C (5°F to 122°F)
◦ Discharge	-20°C to 60°C (-4°F to 140°F)
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
Cyclic (or Boost) Charge Voltage	
◦ Cyclic voltage at 25°C (77°F)	2.45±2%/cell
◦ Temperature correction factor from 25°C (77°F)	-4mV per °C/cell

## CERTIFICATIONS/COMPLIANCE

- ISO 9001
- ISO 14001
- IEC 61056-1
- IEC 60896-21
- UL recognized component, UL1989
- TAA Compliant - Available
- DRC Conflict Free

## TERMINAL OPTIONS



### Features providing longer life:

**HT X Alloy™**

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

### Applications:

- Security Systems
- Fire Protection & Life Safety
- Emergency Lighting
- Uninterruptible Power Supply (UPS)
- Solar & Wind Support Systems
- Power Packs

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



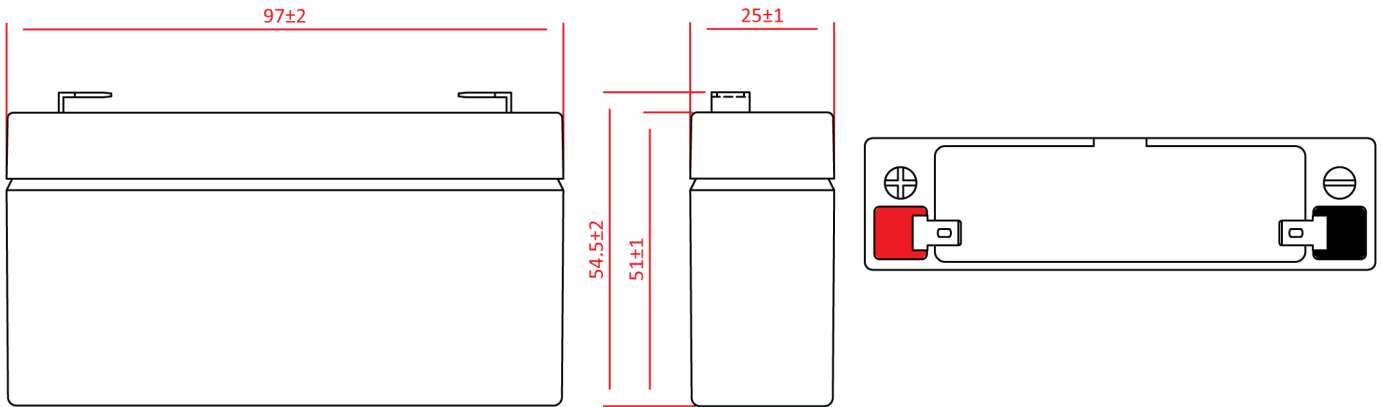
(800) 472-2879  
www.gsyuasa-es.com  
sales@gsyuasa-es.com

GS Yuasa Energy Solutions, Inc  
1150 Northmeadow Pkwy, Suite 110  
Roswell, GA 30076



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Absorbed Glass Mat (AGM)



Discharge, Watts @ 25°C (77°F)

End vpc	5m	10m	15m	30m	1h	1.5h	2h	3h	5h	8h	10h	20h
1.80vpc	24.2	16.9	12.9	7.88	4.57	3.24	2.62	1.87	1.26	0.83	0.67	0.36
1.75vpc	25.9	17.5	13.2	8.03	4.63	3.28	2.66	1.90	1.28	0.84	0.68	0.37
1.67vpc	27.3	18.1	13.6	8.19	4.70	3.33	2.69	1.92	1.29	0.85	0.69	0.37
1.60vpc	27.8	18.3	13.7	8.25	4.72	3.34	2.70	1.93	1.30	0.86	0.69	0.38

Discharge, Amps @ 25°C (77°F)

End vpc	5m	10m	15m	30m	1h	1.5h	2h	3h	5h	8h	10h	20h
1.80vpc	4.20	2.95	2.22	1.33	0.76	0.54	0.43	0.31	0.20	0.13	0.11	0.06
1.75vpc	4.50	3.05	2.28	1.36	0.78	0.55	0.44	0.31	0.21	0.14	0.11	0.06
1.67vpc	4.90	3.17	2.34	1.39	0.79	0.55	0.44	0.32	0.21	0.14	0.11	0.06
1.60vpc	5.00	3.20	2.35	1.40	0.79	0.56	0.45	0.32	0.21	0.14	0.11	0.06

### Long Shelf Life

The extremely low self discharge rate allows the battery to be stored for extended periods, up to one year at normal ambient temperatures with no permanent loss of capacity

Order Number:  
NP1.2-6  
NP1.2-6FR

Terminal | Case Material  
Faston .187 in. (F1) | UL94HB  
Faston .187 in. (F1) | UL94V-0 (FR)

Distributed By:



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



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[sales@gsyuasa-es.com](mailto:sales@gsyuasa-es.com)

GS Yuasa Energy Solutions, Inc  
1150 Northmeadow Pkwy, Suite 110  
Roswell, GA 30076  
MKT-071 NP1.2-6 Spec Sheet ver. 1.0 08-2025