NP4-12

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:	NP4-12
Nominal Voltage:	12
Capacity: 20-hr rate, 1.75vpc @ 25°C (77°F)	4.0 Ah
Case Material Options:	UL94HB
	UL94V-0 (FR)
Terminal Options:	Faston .187 in. (F1)
	Faston .250 in. (F2)
Terminal Torque (Terminals using Bolts):	
Dimensions:	
◦ Length (mm|inches)	90.0 | 3.54
◦ Width (mm|inches)	70.0 | 2.76
◦ Case Height (mm|inches)	102.0 | 4.02
◦ Height over Terminal (mm|inches)	105.5 | 4.15
Weight (kg|lbs):	1.60 | 3.53
Max continuous discharge current, 5 seconds (A):	60
Short circuit current (A):	150
Max charge current (A):	1.000
Internal Resistance (mΩ):	~34.2

GENERAL

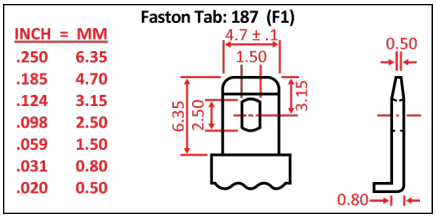
Design Life:	4-6 Years
Storage:	
◦ Capacity loss per month at 25°C (77°F)	~3%
Operating Temperature Range:	
◦ Storage (in fully charged condition)	-20°C to 60°C (-4°F to 140°F)
◦ Charge	-15°C to 50°C (5°F to 122°F)
◦ Discharge	-20°C to 60°C (-4°F to 140°F)
Float Charge Voltage:	
◦ Charge voltage at 25°C (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

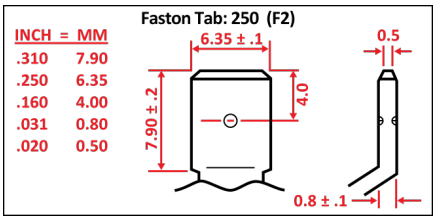


CERTIFICATIONS/COMPLIANCE

- 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

Pb MH28947

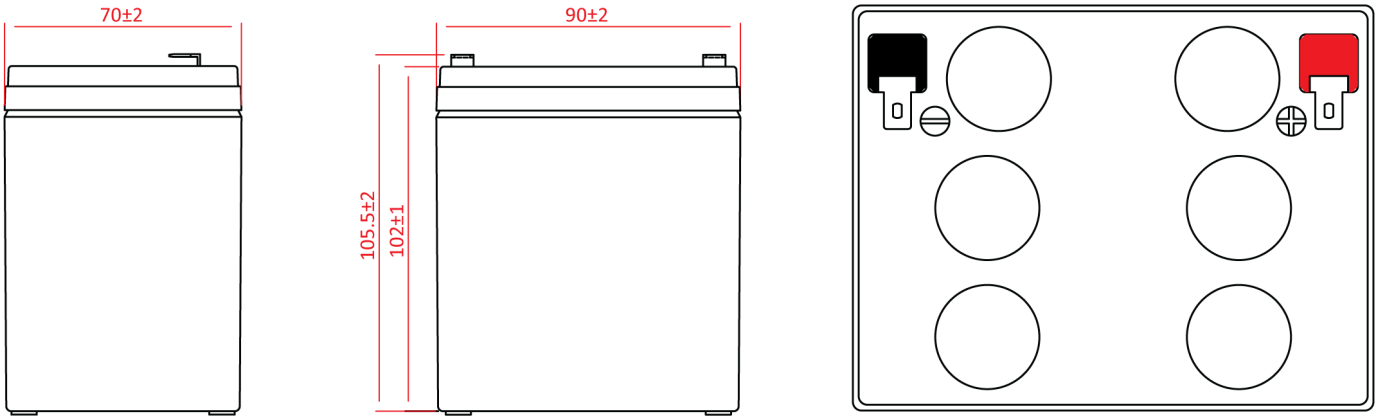
GS YUASA
Creating the Future of Energy

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

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

NP4-12

Valve Regulated Lead-Acid (VRLA)
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	165	115	88.9	54.0	31.3	22.0	17.7	12.7	8.53	5.62	4.53	2.49
1.75vpc	175	119	91.0	55.0	31.7	22.3	17.9	12.8	8.61	5.67	4.57	2.50
1.67vpc	187	124	92.9	55.7	31.9	22.4	18.0	12.9	8.65	5.69	4.59	2.50
1.60vpc	190	125	93.6	56.0	32.0	22.5	18.1	12.9	8.67	5.71	4.60	2.51

Discharge, Amps @ 25°C (77°F)												
End vpc	5m	10m	15m	30m	1h	1.5h	2h	3h	5h	8h	10h	20h
1.80vpc	14.6	10.1	7.60	4.50	2.63	1.85	1.49	1.06	0.71	0.46	0.37	0.20
1.75vpc	15.7	10.6	7.80	4.60	2.66	1.87	1.50	1.07	0.71	0.47	0.38	0.20
1.67vpc	17.0	11.0	8.00	4.70	2.68	1.88	1.50	1.07	0.71	0.47	0.38	0.20
1.60vpc	17.3	11.1	8.00	4.70	2.69	1.89	1.52	1.08	0.72	0.47	0.38	0.20

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:	Terminal | Case Material
NP4-12	Faston .187 in. (F1) | UL94HB
NP4-12FR	Faston .187 in. (F1) | UL94V-0 (FR)
NP4-12-250	Faston .250 in. (F2) | UL94HB
NP4-12-250FR	Faston .250 in. (F2) | UL94V-0 (FR)

Distributed By:

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

GS YUASA
Creating the Future of Energy

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

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

MKT-079 NP4-12 Spec Sheet ver. 1.0 08-2025