NPX-50

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:	NPX-50
Nominal Voltage:	6
Capacity: 15 minute rate, 1.67vpc @ 25°C (77°F)	49.3 wpc
20-hr rate, 1.75vpc @ 25°C (77°F)	11.8 Ah
Case Material Options:	UL94HB
	UL94V-0 (FR)
Terminal Options:	Faston .250 in. (F2)
	Faston .187 in. (F1)
Terminal Torque (Terminals using Bolts):	
Dimensions:	
◦ Length (mm|inches)	151.0 | 5.94
◦ Width (mm|inches)	50.0 | 1.97
◦ Case Height (mm|inches)	94.0 | 3.70
◦ Height over Terminal (mm|inches)	97.5 | 3.84
Weight (kg|lbs):	2.00 | 4.41
Max continuous discharge current, 5 seconds (A):	180
Short circuit current (A):	450
Max charge current (A):	3.000
Internal Resistance (mΩ):	~6.7

GENERAL

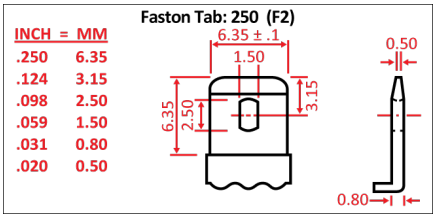
Design Life:	4-6 Years
Storage:	
◦ Capacity loss per month at 25°C (77°F)	~3%
Operating Temperature Range:	
◦ Storage (in fully charged condition)	-20°C to 60°C (-4°F to 140°F)
◦ Charge	-15°C to 50°C (5°F to 122°F)
◦ Discharge	-20°C to 60°C (-4°F to 140°F)
Float Charge Voltage:	
◦ Charge voltage at 25°C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

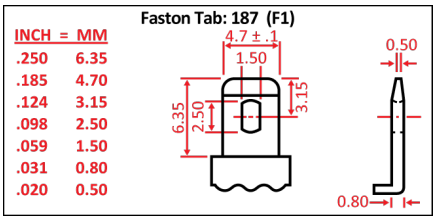


CERTIFICATIONS/COMPLIANCE

- 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:

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

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

Pb MH28947

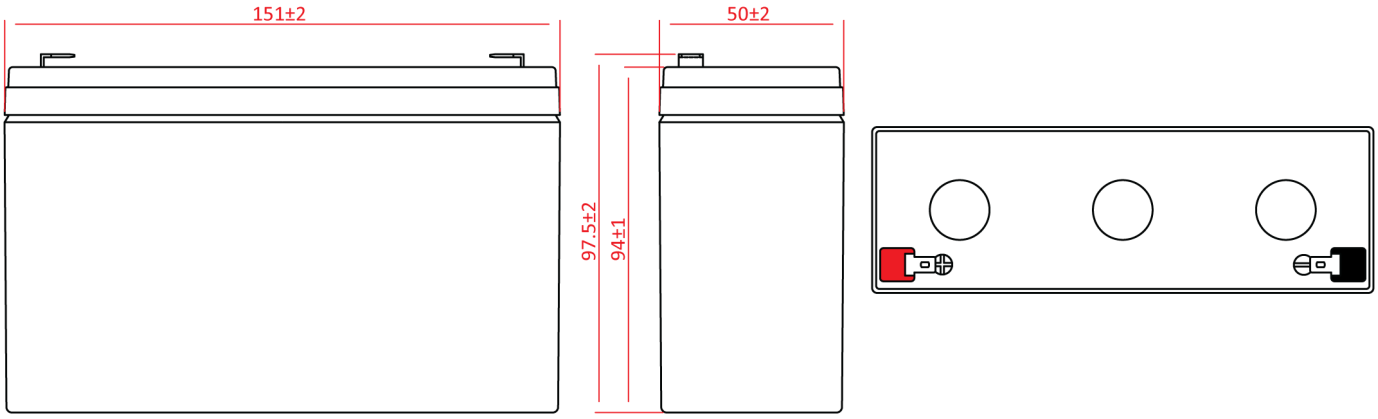
GS YUASA
Creating the Future of Energy

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

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

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Discharge, Watts per Cell @ 25°C (77°F)												
End vpc	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h	1.5h
1.80vpc	115	95.3	84.0	77.3	68.7	59.7	45.7	38.3	27.7	20.7	16.0	11.1
1.75vpc	127	105	90.0	82.7	72.0	62.0	46.7	39.0	28.0	21.0	16.2	11.3
1.67vpc	148	118	96.3	90.3	76.7	64.0	49.3	40.0	28.7	21.2	16.5	11.5
1.60vpc	165	120	101	93.7	77.3	65.0	50.0	38.7	29.0	20.3	16.6	11.5

Discharge, Amps @ 25°C (77°F)												
End vpc	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h	1.5h
1.80vpc	61.4	50.6	44.5	40.4	35.7	31.4	23.5	19.4	14.1	10.3	8.09	5.63
1.75vpc	69.5	56.4	48.6	43.9	37.9	32.9	24.3	20.0	14.4	10.6	8.20	5.70
1.67vpc	84.2	65.6	52.5	48.8	41.0	34.2	24.9	20.7	14.7	10.9	8.30	5.77
1.60vpc	92.9	68.4	56.2	49.0	39.9	34.8	25.2	19.3	14.8	9.98	8.30	5.78

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
NPX-50-250	Faston .250 in. (F2) | UL94HB
NPX-50-250FR	Faston .250 in. (F2) | UL94V-0 (FR)
NPX-50	Faston .187 in. (F1) | UL94HB
NPX-50FR	Faston .187 in. (F1) | UL94V-0 (FR)

Distributed By:

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

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