



NPX-100

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-100
Nominal Voltage:	12
Capacity: 15 minute rate, 1.67vpc @ 25°C (77°F)	95.8 wpc
20-hr rate, 1.75vpc @ 25°C (77°F)	26.2 Ah
Case Material Options:	UL94HB UL94V-0 (FR)
Terminal Options:	M5 Recessed Post
Terminal Torque (Terminals using Bolts):	2.6Nm (23 in-lb)
Dimensions:	
◦ Length (mm inches)	166.0 6.54
◦ Width (mm inches)	125.0 4.92
◦ Case Height (mm inches)	175.0 6.89
◦ Height over Terminal (mm inches)	175.0 6.89
Weight (kg lbs):	9.00 19.84
Short circuit current (A):	330
Max charge current (A):	780
Internal Resistance (mΩ):	6.550
	~9.1



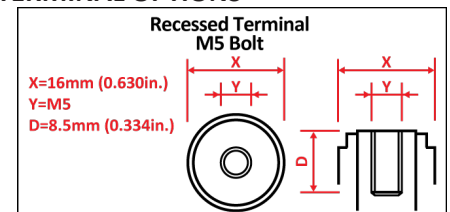
GENERAL

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



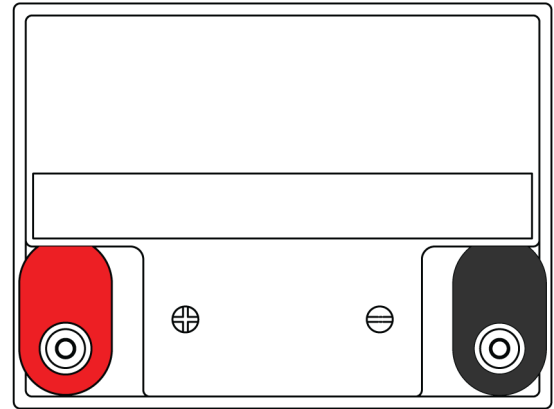
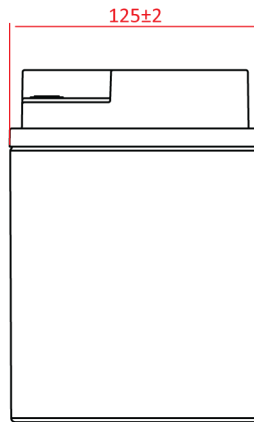
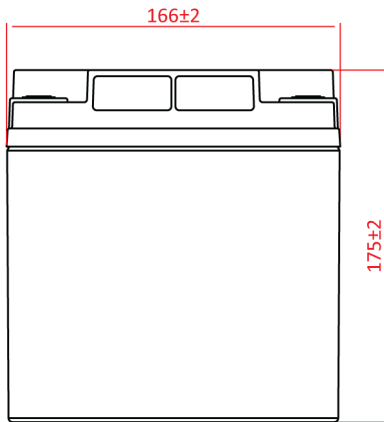
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Discharge, Watts per Cell @ 25°C (77°F)

End vpc	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h	1.5h
1.80vpc	181	163	154	146	131	117	90.5	73.8	55.0	40.3	32.0	23.0
1.75vpc	207	182	171	160	141	125	94.2	76.5	56.7	41.3	32.5	23.3
1.67vpc	251	208	190	174	148	128	95.8	77.7	57.5	41.8	32.8	23.5
1.60vpc	269	219	198	180	151	130	96.5	78.2	57.7	42.0	33.0	23.6

Discharge, Amps @ 25°C (77°F)

End vpc	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h	1.5h
1.80vpc	95.0	86.3	82.0	77.7	69.5	62.0	47.0	38.0	28.4	20.7	16.3	11.7
1.75vpc	115	99.9	93.0	86.6	75.4	66.0	49.0	39.0	29.3	21.3	16.6	11.8
1.67vpc	142	116	105	95.8	80.2	68.6	50.3	40.3	29.8	21.6	16.7	11.9
1.60vpc	154	123	111	100	83.0	70.0	51.0	41.0	30.0	21.7	16.8	12.0

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:
NPX-100R
NPX-100RFR

Terminal | Case Material
M5 Recessed Post | UL94HB
M5 Recessed Post | UL94V-0 (FR)

Distributed By:



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



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