NPX-80

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-80
Nominal Voltage:	12
Capacity: 15 minute rate, 1.67vpc @ 25°C (77°F)	82.2 wpc
20-hr rate, 1.75vpc @ 25°C (77°F)	20.2 Ah
Case Material Options:	UL94HB
	UL94V-0 (FR)
Terminal Options:	M5 Recessed Post
	M5 Bolt & Nut
Terminal Torque (Terminals using Bolts):	2.6Nm (23 in-lb)
Dimensions:	
◦ Length (mm|inches)	181.0 | 7.13
◦ Width (mm|inches)	76.0 | 2.99
◦ Case Height (mm|inches)	167.0 | 6.57
◦ Height over Terminal (mm|inches)	167.0 | 6.57
Weight (kg|lbs):	6.00 | 13.23
Max continuous discharge current, 5 seconds (A):	270
Short circuit current (A):	620
Max charge current (A):	5.050
Internal Resistance (mΩ):	~8.5

GENERAL

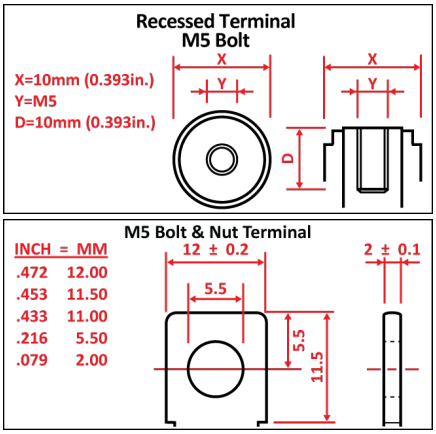
Design Life:	4-6 Years
Storage:	
◦ Capacity loss per month at 25°C (77°F)	~3%
Operating Temperature Range:	
◦ Storage (in fully charged condition)	-20°C to 60°C (-4°F to 140°F)
◦ Charge	-15°C to 50°C (5°F to 122°F)
◦ Discharge	-20°C to 60°C (-4°F to 140°F)
Float Charge Voltage:	
◦ Charge voltage at 25°C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

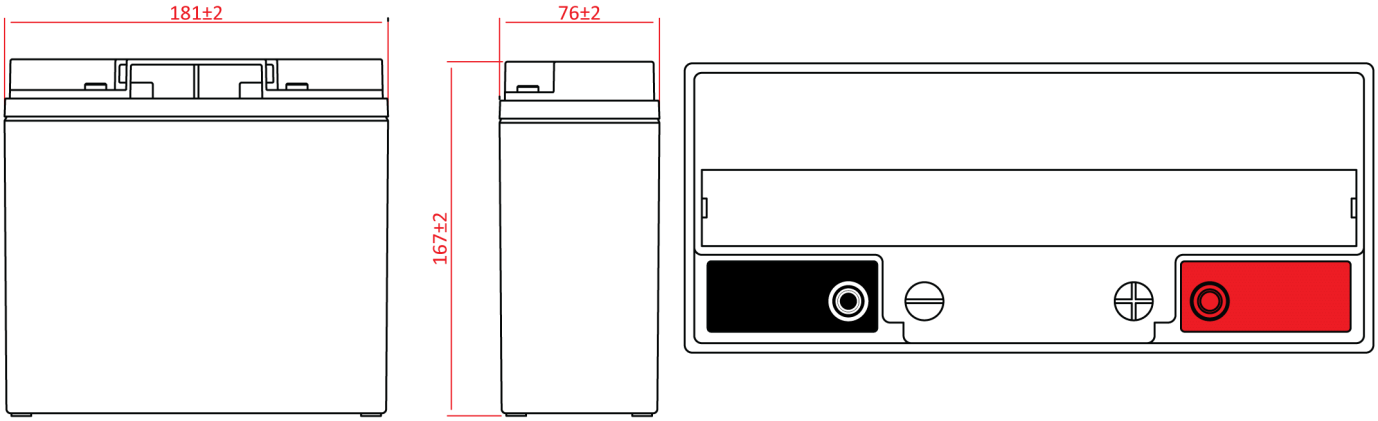
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Discharge, Watts per Cell @ 25°C (77°F)												
End vpc	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h	1.5h
1.80vpc	172	143	138	125	113	104	78.2	62.0	45.8	32.8	26.3	18.2
1.75vpc	191	157	155	133	118	108	80.2	65.2	46.7	34.2	26.5	18.3
1.67vpc	221	178	163	142	126	112	82.2	63.2	47.3	32.7	26.8	18.7
1.60vpc	238	191	171	154	131	116	83.8	61.2	47.7	31.3	26.8	19.0

Discharge, Amps @ 25°C (77°F)												
End vpc	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h	1.5h
1.80vpc	92.5	76.3	68.2	63.6	58.7	53.8	40.0	31.5	23.1	16.4	13.1	9.28
1.75vpc	105	84.9	74.9	68.8	62.3	56.2	41.4	33.4	23.7	17.2	13.4	9.46
1.67vpc	127	98.8	85.2	76.8	67.4	59.5	43.1	32.8	24.4	16.7	13.7	9.64
1.60vpc	143	109	95.7	85.1	71.1	62.5	44.6	32.1	25.0	16.2	13.9	9.76

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-80R	M5 Recessed Post | UL94HB
NPX-80RFR	M5 Recessed Post | UL94V-0 (FR)
NPX-80B	M5 Bolt & Nut | UL94HB
NPX-80BFR	M5 Bolt & Nut | UL94V-0 (FR)

Distributed By:

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

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