NPX-150

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-150
Nominal Voltage:	12
Capacity: 15 minute rate, 1.67vpc @ 25°C (77°F)	161.8 wpc
20-hr rate, 1.75vpc @ 25°C (77°F)	43.0 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)	197.0 | 7.76
◦ Width (mm|inches)	165.0 | 6.50
◦ Case Height (mm|inches)	175.0 | 6.89
◦ Height over Terminal (mm|inches)	175.0 | 6.89
Weight (kg|lbs):	15.00 | 33.07
Short circuit current (A):	1200
Max charge current (A):	10.75
Internal Resistance (mΩ):	~8.1

GENERAL

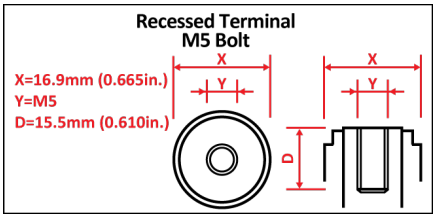
Design Life:	4-6 Years
Storage:	
◦ Capacity loss per month at 25°C (77°F)	~3%
Operating Temperature Range:	
◦ Storage (in fully charged condition)	-20°C to 60°C (-4°F to 140°F)
◦ Charge	-15°C to 50°C (5°F to 122°F)
◦ Discharge	-20°C to 60°C (-4°F to 140°F)
Float Charge Voltage:	
◦ Charge voltage at 25°C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

Pb MH28947

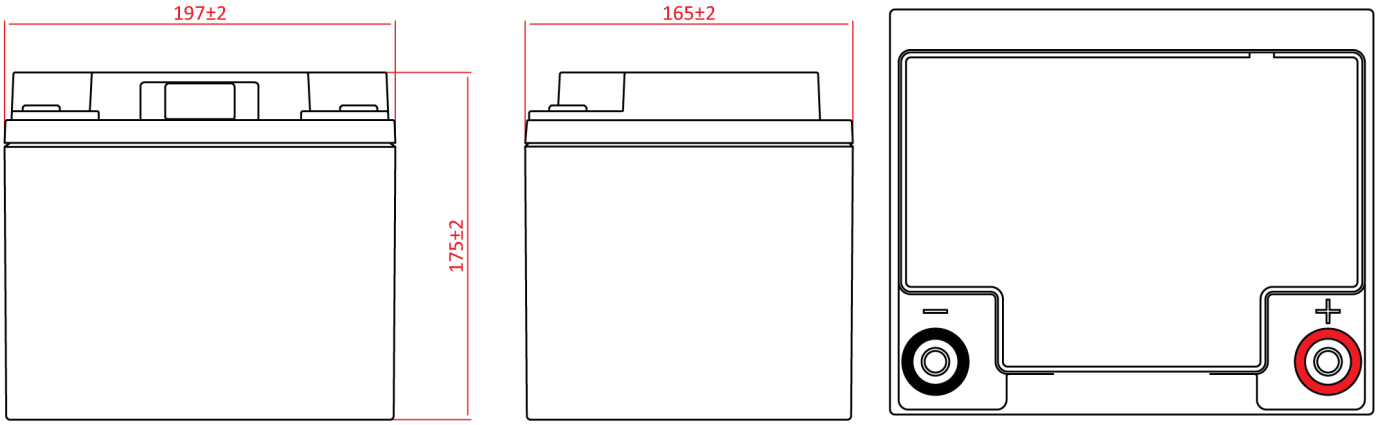
Creating the Future of Energy

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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	315	268	249	231	202	179	140	117	88.2	65.8	53.5	38.0
1.75vpc	374	311	286	263	227	199	155	128	95.8	70.0	55.8	39.5
1.67vpc	393	327	300	276	238	209	162	133	99.2	71.8	56.8	40.2
1.60vpc	404	336	308	284	244	214	166	137	102	73.7	58.2	41.1

Discharge, Amps @ 25°C (77°F)												
End vpc	2m	4m	5m	6m	8m	10m	15m	20m	30m	45m	1h	1.5h
1.80vpc	169	144	133	124	108	95.0	74.0	61.5	46.1	33.9	27.1	19.1
1.75vpc	201	167	153	141	121	106	82.0	68.0	51.0	36.1	28.3	19.8
1.67vpc	209	174	160	147	126	111	86.0	70.4	51.8	37.0	28.8	20.2
1.60vpc	217	180	165	152	130	114	88.0	72.2	53.2	37.9	29.5	20.6

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-150R	M5 Recessed Post | UL94HB
NPX-150RFR	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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