NP2.3-12

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:	NP2.3-12
Nominal Voltage:	12
Capacity: 20-hr rate, 1.75vpc @ 25°C (77°F)	2.3 Ah
Case Material Options:	UL94HB UL94V-0 (FR)
Terminal Options:	Faston .187 in. (F1)
Terminal Torque (Terminals using Bolts):	
Dimensions:	
◦ Length (mm|inches)	178.0 | 7.01
◦ Width (mm|inches)	34.0 | 1.34
◦ Case Height (mm|inches)	60.0 | 2.36
◦ Height over Terminal (mm|inches)	64.0 | 2.52
Weight (kg|lbs):	0.90 | 1.98
Max continuous discharge current, 5 seconds (A):	34.5
Short circuit current (A):	90
Max charge current (A):	0.575
Internal Resistance (mΩ):	~68.0

GENERAL

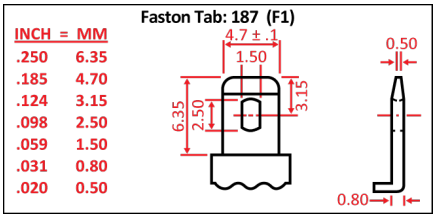
Design Life:	4-6 Years
Storage:	
◦ Capacity loss per month at 25°C (77°F)	~3%
Operating Temperature Range:	
◦ Storage (in fully charged condition)	-20°C to 60°C (-4°F to 140°F)
◦ Charge	-15°C to 50°C (5°F to 122°F)
◦ Discharge	-20°C to 60°C (-4°F to 140°F)
Float Charge Voltage:	
◦ Charge voltage at 25°C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

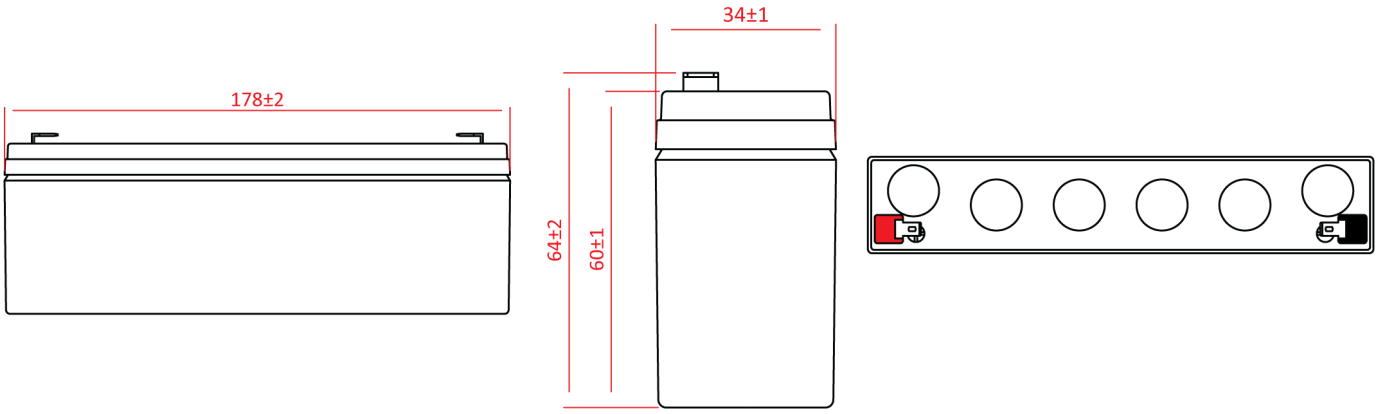
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NP2.3-12

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	91.0	63.0	47.7	28.6	16.3	11.7	9.70	6.93	4.75	3.14	2.55	1.41
1.75vpc	97.0	65.0	48.8	29.1	16.5	11.8	9.80	7.00	4.79	3.16	2.57	1.42
1.67vpc	103	68.0	50.0	29.7	16.8	12.0	9.89	7.06	4.82	3.18	2.58	1.42
1.60vpc	104	69.0	50.4	29.9	16.9	12.0	9.91	7.08	4.83	3.19	2.59	1.43

Discharge, Amps @ 25°C (77°F)												
End vpc	5m	10m	15m	30m	1h	1.5h	2h	3h	5h	8h	10h	20h
1.80vpc	8.00	5.50	4.09	2.43	1.37	0.98	0.80	0.57	0.39	0.26	0.21	0.12
1.75vpc	8.50	5.70	4.19	2.47	1.39	0.99	0.81	0.58	0.39	0.26	0.21	0.12
1.67vpc	9.20	5.90	4.30	2.52	1.41	1.00	0.82	0.58	0.40	0.26	0.21	0.12
1.60vpc	9.40	6.00	4.33	2.54	1.42	1.01	0.82	0.59	0.40	0.26	0.21	0.12

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
NP2.3-12	Faston .187 in. (F1) | UL94HB
NP2.3-12FR	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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