NP65-12

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:	NP65-12
Nominal Voltage:	12
Capacity: 20-hr rate, 1.75vpc @ 25°C (77°F)	70.2 Ah
8-hr rate, 1.75vpc @ 25°C (77°F)	64.7 Ah
Case Material Options:	UL94HB
	UL94V-0 (FR)
Terminal Options:	M6 Bolt & Nut
Terminal Torque (Terminals using Bolts):	4.9Nm (43 in-lb)
Dimensions:	
◦ Length (mm|inches)	349.8 | 13.77
◦ Width (mm|inches)	166.0 | 6.54
◦ Case Height (mm|inches)	174.0 | 6.85
◦ Height over Terminal (mm|inches)	174.0 | 6.85
Weight (kg|lbs):	21.50 | 47.40
Short circuit current (A):	1800
Max charge current (A):	17.55
Internal Resistance (mΩ):	~4.6

GENERAL

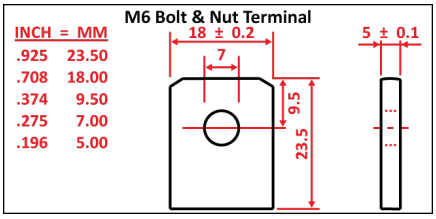
Design Life:	4-6 Years
Storage:	
◦ Capacity loss per month at 25°C (77°F)	~3%
Operating Temperature Range:	
◦ Storage (in fully charged condition)	-20°C to 60°C (-4°F to 140°F)
◦ Charge	-15°C to 50°C (5°F to 122°F)
◦ Discharge	-20°C to 60°C (-4°F to 140°F)
Float Charge Voltage:	
◦ Charge voltage at 25°C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

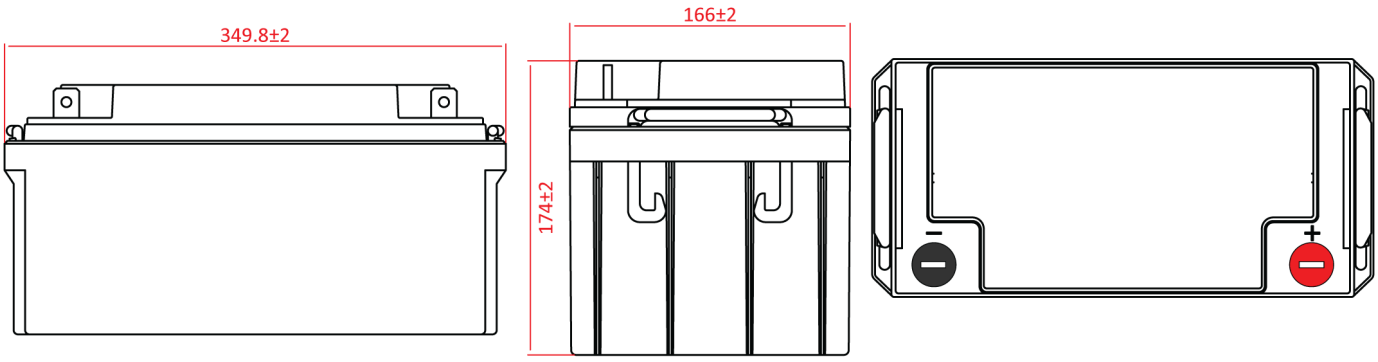
Creating the Future of Energy

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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	2,240	1,781	1,422	872	518	363	291	208	138	95.7	79.7	41.8
1.75vpc	2,447	1,887	1,497	910	537	376	301	214	142	98.3	80.7	42.3
1.67vpc	2,719	2,000	1,573	942	552	385	307	217	143	99.7	82.0	42.9
1.60vpc	2,935	2,073	1,619	959	558	389	309	218	144	100	83.1	43.6

Discharge, Amps @ 25°C (77°F)												
End vpc	5m	10m	15m	30m	1h	1.5h	2h	3h	5h	8h	10h	20h
1.80vpc	199	156	123	74.5	43.7	30.5	24.4	17.3	11.4	7.84	6.52	3.40
1.75vpc	220	167	131	78.4	45.7	31.9	25.4	18.0	11.8	8.09	6.72	3.51
1.67vpc	253	182	141	82.7	47.7	33.2	26.3	18.5	12.1	8.28	6.87	3.58
1.60vpc	281	194	148	85.8	49.0	34.0	26.8	18.8	12.2	8.35	6.92	3.61

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:
NP65-12B
NP65-12BFR

Terminal | Case Material
M6 Bolt & Nut | UL94HB
M6 Bolt & Nut | UL94V-0 (FR)

Distributed By:

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

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