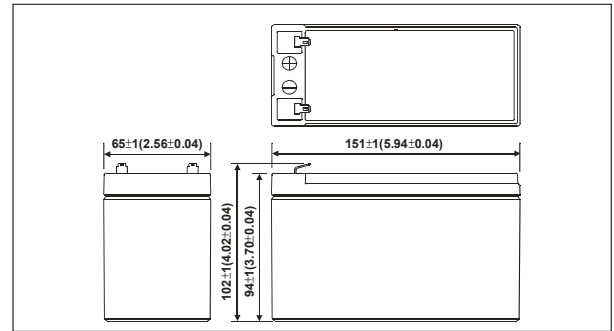


Sealed Lead Acid Rechargeable Battery Product Specification

SLAUMXNP9-12Y (12V9AH) UP TO 9 YEARS STAND BY



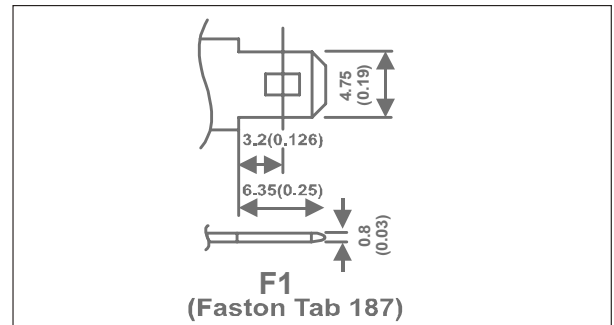
Outer dimensions (mm)



Specifications

Nominal Voltage		12V
Rated capacity (20hour rate)		9.0 Ah
Dimensions	Total Height	102mm (3.94 inches)
	Height	94mm (3.70 inches)
	Length	151mm (5.94 inches)
	Width	65mm (2.56 inches)
Weight Approx		2.7Kg (5.94lbs)

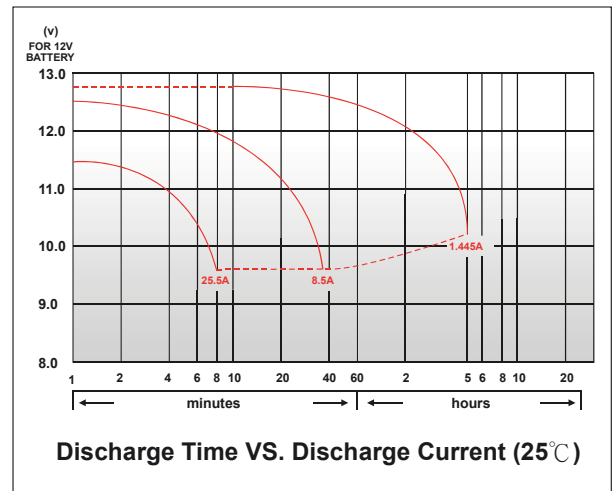
Terminal Type (mm)



Characteristics

Capacity 25°C(77°F)	20 hour rate(0.45 A)	9.00 AH
	10 hour rate(0.84A)	8.30AH
	5 hour rate(1.51A)	7.22 AH
	1 hour rate(5.27 A)	5.40 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	14 mΩ
Capacity affected by Temperature (20hour rate)	40°C(104°F)	102%
	25°C(77°F)	100%
	0°C(32°F)	85%
	-15°C(5°F)	65%
Self-Discharge at 25°C(77°F)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
	Capacity after 12 month storage	60%
Terminal	F1	
Charge (constant Voltage)	Cycle	Initial Charging Current less than 2.55A Voltage 14.40-14.70V
	Float	Voltage 13.50-13.80V

Discharge Curves 25 °C(77 °F)



Case Material

ABS UL94 HB
Option: Flammability resistance of (UL94 V-0)

Design Life & Standard

Expected Trickle Design Life: 6-9 years at 20°C according to Eurobat.

PERFORMANCE DATA Discharge Rates in Watts to Various End Voltages at 25°C(77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.65V	1.60V
Time							
5	min	55.8	59.7	64.1	67.1	70.4	73.8
10	min	35.8	38.3	41.1	43.1	45.2	47.3
15	min	27.4	28.7	30.3	31.7	33.1	34.5
30	min	15.7	16.4	17.3	18.2	19.0	19.8
60	min	9.76	10.1	10.3	10.4	10.5	10.7
120	min	5.15	5.32	5.44	5.50	5.56	5.67
180	min	4.15	4.29	4.38	4.43	4.48	4.57
240	min	3.33	3.44	3.52	3.56	3.60	3.65
300	min	2.83	2.93	2.99	3.02	3.05	3.06
600	min	1.59	1.64	1.68	1.69	1.70	1.71
1200	min	0.836	0.865	0.884	0.893	0.903	0.910

Discharge Rates in Amperes to Various End Voltages at 25°C(77°F)

End Voltage		1.85V	1.80V	1.75V	1.70V	1.65V	1.60V
Time							
5	min	29.9	32.0	34.3	36.0	37.7	39.5
10	min	18.7	20.0	21.5	22.5	23.6	24.7
15	min	14.0	14.6	15.5	16.2	16.9	17.6
30	min	7.92	8.28	8.75	9.16	9.57	9.98
60	min	4.90	5.07	5.18	5.24	5.27	5.29
120	min	2.57	2.66	2.72	2.75	2.77	2.78
180	min	2.06	2.13	2.18	2.21	2.22	2.23
240	min	1.65	1.71	1.75	1.76	1.77	1.78
300	min	1.40	1.45	1.48	1.50	1.51	1.52
600	min	0.784	0.811	0.829	0.838	0.842	0.847
1200	min	0.413	0.427	0.436	0.441	0.443	0.446