

Sealed Gel Rechargeable Battery Product Specification

SLAUMXNPG50-12(12V50AH)



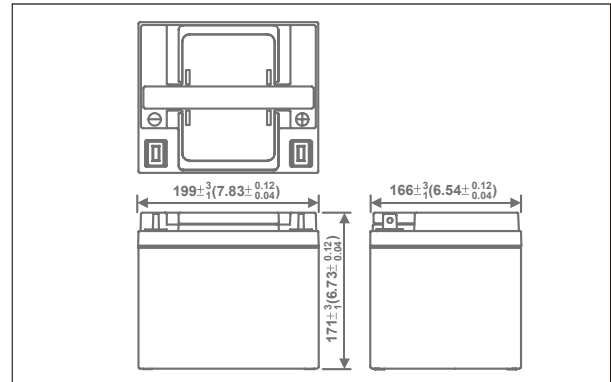
Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		50Ah
Dimensions	Total Height	171 mm(6.73 inches)
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	Length	199 mm(6.83 inches)
	Width	166 mm(6.54 inches)
Weight Approx		14.5 Kg (31.9 lbs)

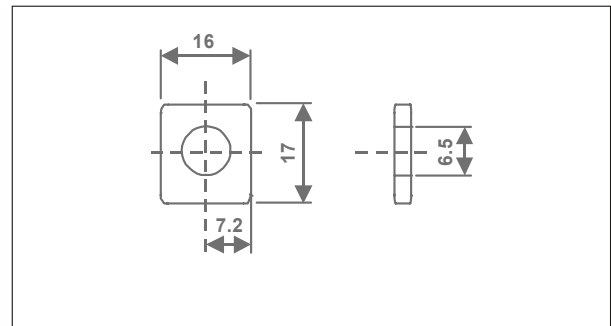
Characteristics

Capacity 25°C(77°F)	20 hour rate(2.50 A)	50.0 AH
	10 hour rate(4.70 A)	47.0AH
	5 hour rate(8.50 A)	42.5AH
	1 hour rate(27.5 A)	27.5AH
	1.5 hour discharge to 10.5V	20.0A
Internal Resistance	Full charged Battery at 25°C(77°F)	6 mΩ
Capacity affected by Temperature (20 hour 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 1 month storage	98%
	Capacity after 3 month storage	94%
	Capacity after 6 month storage	85%
Terminal		T4
Charge (constant Voltage)	Cycle	Maximum Charging Current 15 A Voltage 13.80-14.40V
	Float	Voltage 13.50-13.80V

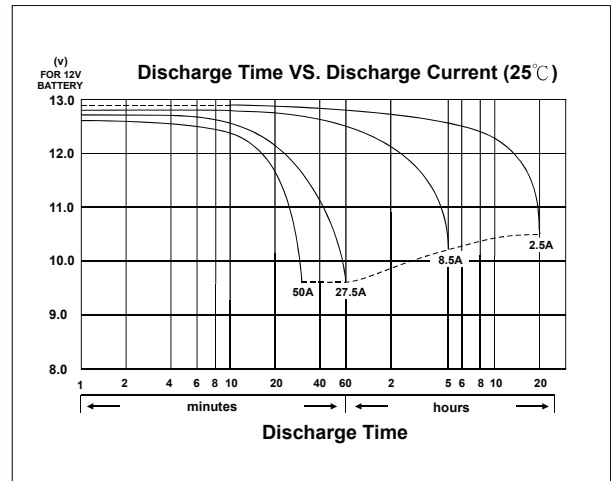
Outer dimensions (mm)



Terminal Type (mm)



Discharge Curves 25°C(77°F)



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25 °C(77 °F)

Time		5 Min	10 Min	15 Min	30 Min	1hr	2Hr	3Hr	4Hr	5Hr	10Hr	20Hr
9.60V	A	193	118	85.5	50.6	29.5	17	12.2	9.88	8.69	4.9	2.61
	W	1950	1326	942	563.4	345	204	147.6	119.4	105	57.42	31.14
10.20V	A	179	110	83	49	28.8	16.4	11.9	9.59	8.5	4.81	2.55
	W	1866	1260	900	541.8	335.4	196.8	142.2	114.6	102	56.28	30.36
10.50V	A	167	103	80.6	47.5	28.1	16	11.6	9.41	8.33	4.75	2.5
	W	1740	1200	864	525	328.2	190.2	137.4	110.4	100.2	55.2	29.7
10.80V	A	149	93.5	77.7	45.6	27.1	15.4	11.2	9.16	8.09	4.64	2.44
	W	1554	1098	786	485.4	318.6	182.4	130.8	106.8	97.2	53.52	28.62
11.10V	A	125	78.1	71.6	40.9	24.4	14.3	10.6	8.67	7.69	4.4	2.32
	W	1296	924	684	421.2	302.4	166.2	120	99.6	93.6	50.64	26.94