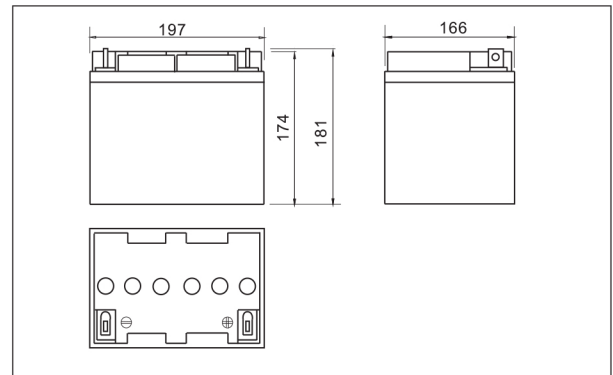


NPG12-38(12V38AH)



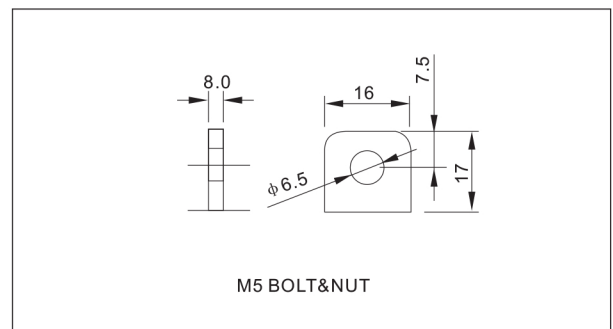
● **Outer dimensions (mm)**



● **Specifications**

Nominal Voltage		12V
Rated capacity (20 hour rate)		38 Ah
Dimensions	Total Height	181mm (7.13 inches)
	Height	174mm (6.85 inches)
	Length	197 mm (7.73 inches)
	Width	166mm (6.54 inches)
Weight Approx		12.2IKg (26.84lbs)

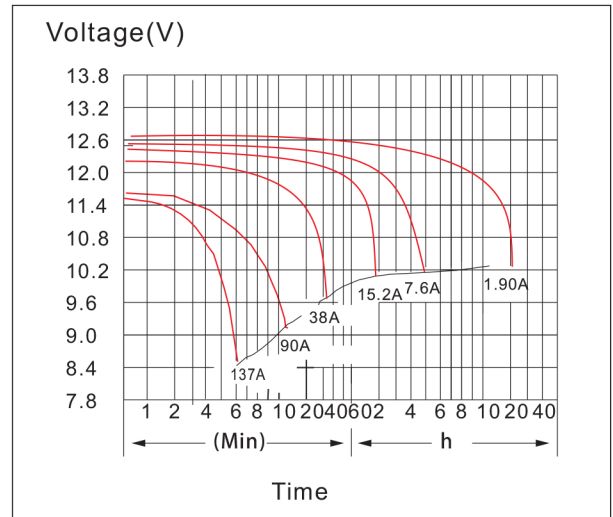
● **Terminal Type (mm)**



● **Characteristics**

Capacity 25°C(77°F)	20 hour rate(1.9A)	38.0 AH
	5 hour rate(6.2A)	31.0AH
	1 hour rate(22.8 A)	22.8 AH
	1.5 hour discharge to 10.5V	15.2A
Internal Resistance	Full charged Battery at 25°C(77°F)	9.2m Ω
Capacity affected by Temperature (10hour 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	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal		T12
Charge (constant Voltage)	Cycle	Initial Charging Current less than 15.2A Voltage 14.40-14.80V(Time14~16h)
	Float	Voltage 13.50-13.80V

● **Discharge Curves 25°C(77°F)**



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

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	137	90	66.5	43.7	22.8	13.3	9.8	7.9	6.67	4.40	3.59	1.96
	W	1420	963	713	470	246	146	109	88	76	50.4	41.5	22.8
10.20V	A	125	86	61.1	41.5	21.4	12.8	9.5	7.6	6.54	4.32	3.53	1.92
	W	1347	959	684	466	242	147	110	88	76	50.6	41.5	22.5
10.50V	A	114	80	57.0	40.2	20.7	12.5	9.3	7.2	6.46	4.28	3.50	1.90
	W	1253	912	650	463	240	145	109	84	76	50.3	41.4	22.5
10.80V	A	110	77	53.2	39.1	20.0	12.2	9.2	7.1	6.18	4.16	3.40	1.85
	W	1231	884	613	453	233	143	108	84	73	49.3	40.5	22.1
11.10V	A	101	72	49.4	38.0	19.3	11.9	8.7	7.0	5.91	4.05	3.33	1.81
	W	1151	836	575	445	227	140	103	83	70	48.5	40.1	21.9