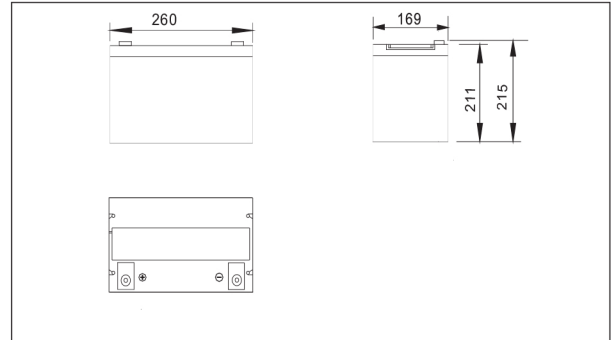


NPG12-80(12V80AH)



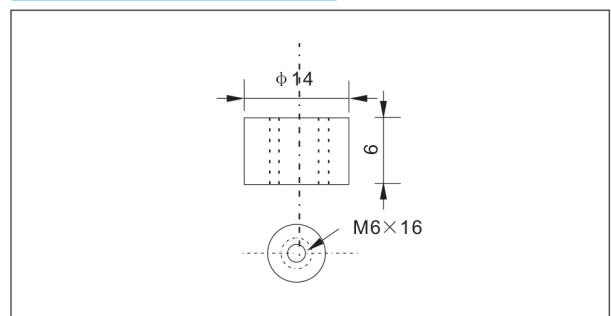
Outer dimensions (mm)



Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		80Ah
Dimensions	Total Height	215 mm (8.46 inches)
	Height	211 mm (8.30 inches)
	Length	260 mm (10.2 inches)
	Width	169 mm (6.65 inches)
Weight Approx		23.4 Kg (51.5lbs)

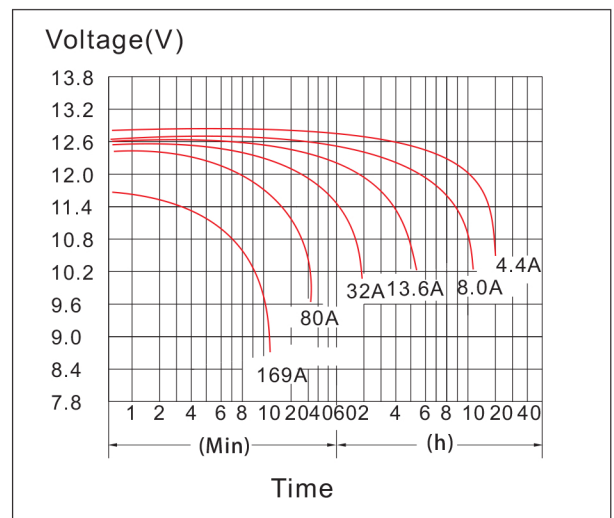
Terminal Type (mm)



Characteristics

Capacity 25°C(77°F)	10 hour rate(8.0A)	80AH
	5 hour rate(13.6A)	68AH
	1 hour rate(48 A)	48AH
	1.5 hour discharge to 10.5V	32A
Internal Resistance	Full charged Battery at 25°C(77°F)	6.5mΩ
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		T14
Charge (constant Voltage)	Cycle	Initial Charging Current less than 32A Voltage 14.40-14.80V Time 14~16h
	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	256	169	136	91.2	48.0	28.0	20.6	16.0	13.2	9.36	8.40	4.54
	W	2644	1803	1459	981	518	307	229	180	150	107	97	52.7
10.20V	A	248	152	128	87.2	45.1	26.7	20.0	15.6	13.0	9.12	8.24	4.40
	W	2621	1701	1434	979	510	308	232	181	151	107	97	51.6
10.50V	A	217	136	112	81.6	43.7	26.1	19.5	15.4	12.8	9.04	8.08	4.40
	W	2374	1550	1279	939	506	302	227	180	150	106	96	52.0
10.80V	A	196	128	104	75.2	42.2	25.4	19.0	15.1	12.5	8.80	8.00	4.32
	W	2204	1481	1200	871	492	298	224	179	148	104	95	51.5
11.10V	A	141	120	96	67.2	40.8	24.8	18.4	14.7	12.2	8.56	7.60	4.08
	W	1600	1393	1119	786	480	293	219	175	145	103	91.7	49.4