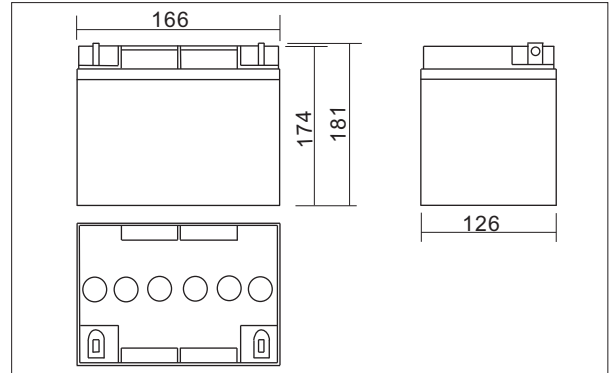


## NP12-28S(12V28AH)



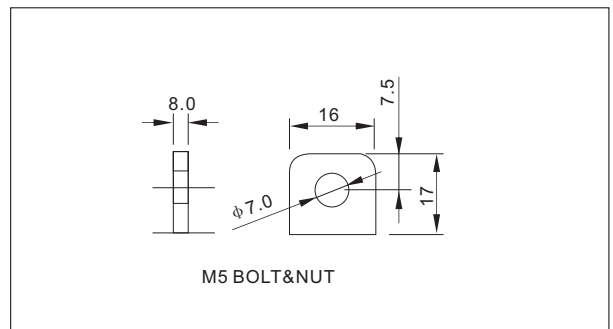
### Outer dimensions (mm)



### Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		28 Ah
Dimensions	Total Height	181 mm (7.13 inches)
	Height	174 mm (6.85 inches)
	Length	166 mm (6.54 inches)
	Width	126 mm (4.96 inches)
Weight Approx		8.70 Kg (19.14lbs)

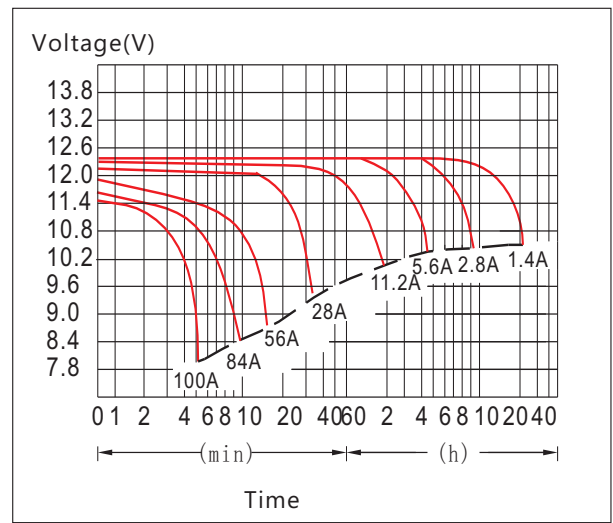
### Terminal Type (mm)



### Characteristics

Capacity 25°C(77°F)	20 hour rate(1.40A)	28.0AH
	10 hour rate(2.60A)	26.0AH
	5 hour rate(4.76A)	23.8AH
	1 hour rate(16.8A)	16.8AH
	1.5 hour discharge to 10.5V	11.2A
Internal Resistance	Full charged Battery at 25°C(77°F)	8.5mΩ
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	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal		T5
Charge (constant Voltage)	Cycle	Initial Charging Current less than 11.2A Voltage 14.40-15.00V 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	100.8	66.1	49.0	32.2	16.8	9.80	7.21	5.79	4.91	3.24	2.65	1.45
	W	1046	710	525	346	181	107.6	80.2	65.1	55.8	37.2	30.6	16.8
10.20V	A	92.4	63.2	45.0	30.6	15.8	9.40	7.00	5.60	4.82	3.19	2.60	1.41
	W	992	707	504	343	178	108	81.1	65.1	56.2	37.3	30.6	16.6
10.50V	A	84.1	59.1	42.0	29.6	15.3	9.22	6.88	5.32	4.76	3.15	2.58	1.40
	W	924	672	479	341	177	106.9	80.2	62.2	55.8	37.0	30.5	16.5
10.80V	A	80.8	56.5	39.2	28.8	14.7	8.98	6.77	5.23	4.55	3.07	2.51	1.37
	W	907	651	452	334	172	105.2	79.8	61.7	53.8	36.4	29.8	16.3
11.10V	A	74.8	53.2	36.4	28.0	14.2	8.75	6.42	5.13	4.35	2.99	2.45	1.33
	W	848	616	424	328	167	103.4	76.2	61.1	51.9	35.8	29.6	16.1