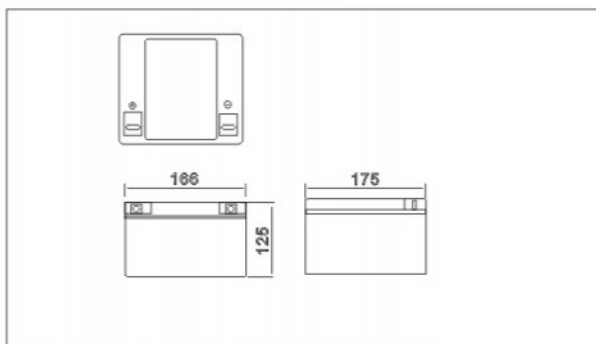


Valve Regulated [MF] Lead Acid Rechargeable Battery

AP 12V - 28AH



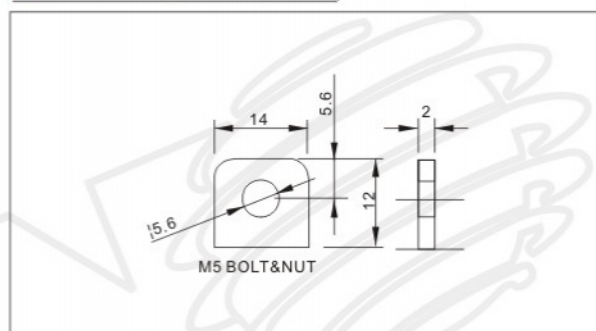
Outer dimensions (mm)



Specifications

Nominal Voltage		12 V
Rated capacity (20 hour rate)		28 AH
Dimensions	Total Height	125mm(4.92 inches)
	Height	125mm(4.92 inches)
	Length	175mm(6.89 inches)
	Width	166mm(6.54 inches)
Weight Approx		8.6Kg(18.9lbs)

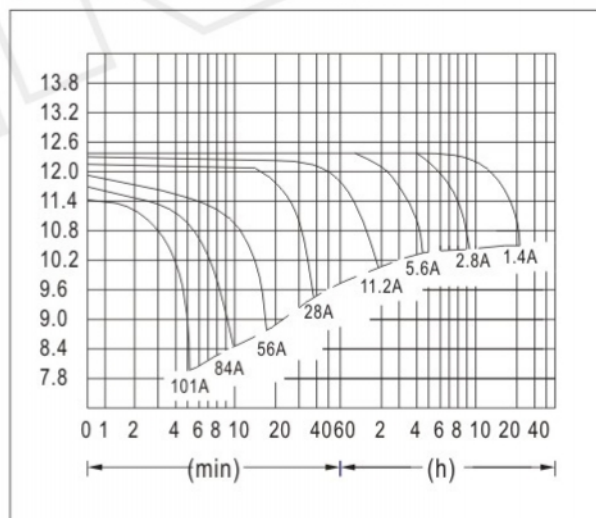
Terminal Type (mm)



Characteristics

Capacity 25°C(77°F)	20 hour rate (1.40A)	28.0 AH
	10 hour rate (2.58A)	25.8 AH
	5 hour rate (4.76A)	23.8 AH
	1 hour rate (16.8A)	16.8 AH
	1.5 hour discharge to 10.5V	11.2 A
Internal Resistance	Full charged Battery at 25°C(77°F)	9.0 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	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal	T4	
Charge constant) Voltage)	Cycle	Initial Charging Current less than 11.20A Voltage 14.40-15.00 V Time 10~12h
	Float	Voltage 13.50-13.80 V

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
V _{1.0}	A 101	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	108	80.2	65.1	55.8	37.2	30.6	16.8
V _{1.0}	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
V _{1.0}	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	107	80.2	62.2	55.8	37.0	30.5	16.5
V _{1.0}	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	79.8	61.7	53.8	36.4	29.8	16.3
V _{1.0}	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	76.2	61.1	51.9	35.8	29.6	16.1