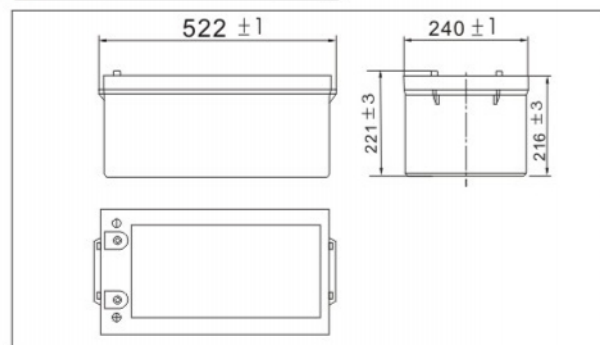


Valve Regulated [MF] Lead Acid Rechargeable Battery

APE 12V - 220AH



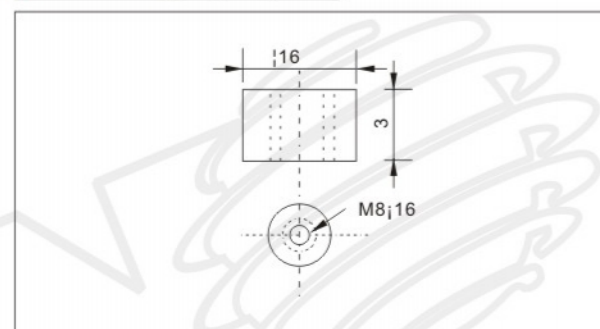
Outer dimensions (mm)



Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		220AH
Rated capacity (10 hour rate)		200AH
Dimensions	Total Height	221mm (8.70 inches)
	Height	216mm (8.50 inches)
	Length	622mm (20.6 inches)
	Width	240mm (9.45 inches)
Weight Approx		61.5 Kg (135.3 lbs)

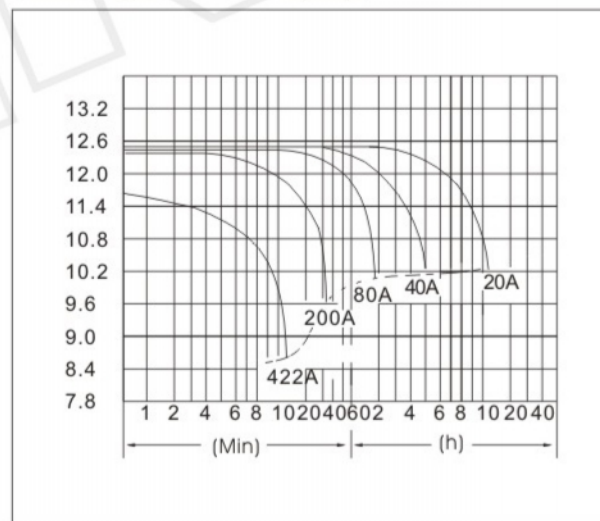
Terminal Type (mm)



Characteristics

Capacity 25°C(77°F)	20 hour rate (11A)	220 AH
	10 hour rate (20A)	200 AH
	5 hour rate (32A)	160 AH
	1 hour rate(120A)	120 AH
	1.5 hour discharge to 10.5V	80 A
Internal Resistance Full charged Battery at 25°C(77°F)		4 mΩ
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		T19
Charge constant) Voltage)	Cycle	Initial Charging Current less than 80 A Voltage 14.10-14.40V
	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	641	422	340	228.0	120.0	70.0	51.4	40.0	33.0	23.40	21.00	11.34
	W	6611	4507	3648	2451	1296	769	572	450	375	268	243	131.9
10.20V	A	620	381	320	218.0	112.8	66.8	50.0	39.0	32.4	22.80	20.60	11.00
	W	6626	4252	3585	2447	1276	770	579	453	378	267	242	129.0
10.50V	A	600	341	280	204.0	109.2	65.2	48.8	38.4	32.0	22.60	20.20	11.00
	W	6554	3875	3198	2348	1265	756	569	449	375	266	239	130.0
10.80V	A	578	321	260	188.0	105.6	63.6	47.6	37.8	31.2	22.00	20.00	10.80
	W	6490	3702	3000	2178	1229	745	561	446	369	261	238	128.6
11.10V	A	559	301	240	168.0	102.0	62.0	46.0	36.8	30.4	21.40	19.00	10.20
	W	6339	3483	2798	1966	1200	733	546	438	363	256	229.4	123.6