

Valve Regulated [MF] Lead Acid Rechargeable Battery

APE 12V - 160AH



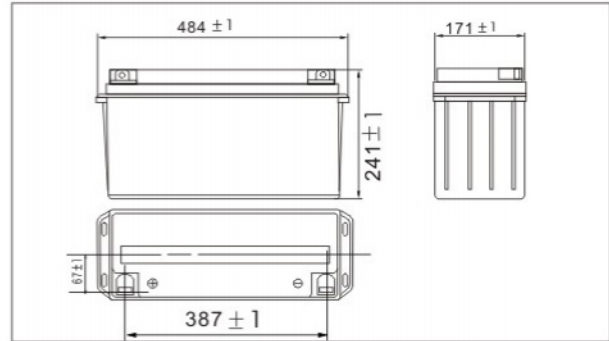
Specifications

Nominal Voltage		12 V
Rated capacity (20 hour rate)		160 AH
Rated capacity (10 hour rate)		150 AH
Dimensions	Total Height	241mm(9.49 inches)
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	Length	484mm(19.1 inches)
	Width	171mm(6.73 inches)
Weight Approx		44Kg(97lbs)

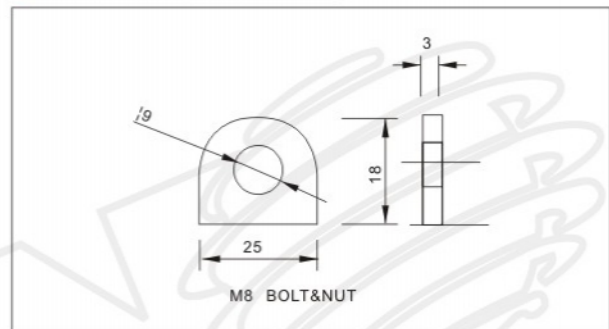
Characteristics

Capacity 25°C(77°F)	20 hour rate (8.25A)	160 AH
	10 hour rate (15A)	150 AH
	5 hour rate (24A)	120 AH
	1 hour rate(90A)	90 AH
	1.5 hour discharge to 10.5V	60 A
Internal Resistance	Full charged Battery at 25°C(77°F)	2 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		T11, T16
Charge constant) Voltage)	Cycle	Initial Charging Current less than 60 A Voltage 14.10-14.40V Time 10~12h
	Float	Voltage 13.50-13.80V

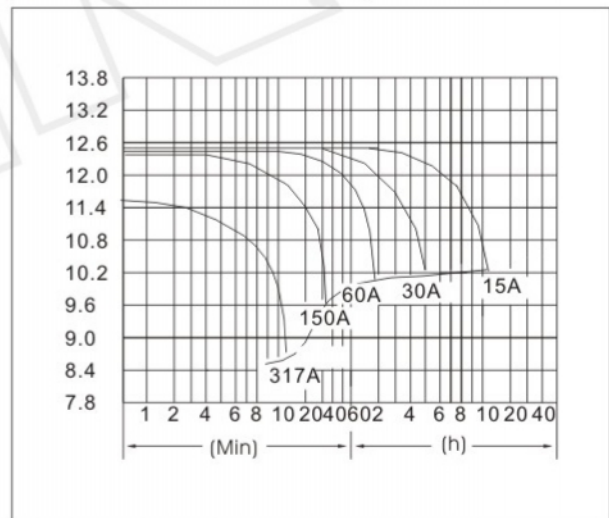
Outer dimensions (mm)



Terminal Type (mm)



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 480	317	255	171.0	90.0	52.5	38.6	30.0	24.8	17.55	15.75	8.51
	W 4958	3380	2736	1839	972	576	429	338	281	201	182	98.9
10.20V	A 465	286	240	163.5	84.6	50.1	37.5	29.3	24.3	17.10	15.45	8.25
	W 4969	3189	2689	1835	957	577	434	340	283	200	182	96.8
10.50V	A 450	255	210	153.0	81.9	48.9	36.6	28.8	24.0	16.95	15.15	8.25
	W 4916	2906	2398	1761	948	567	426	337	281	199	179	97.5
10.80V	A 434	241	195	141.0	79.2	47.7	35.7	28.4	23.4	16.50	15.00	8.10
	W 4867	2776	2250	1634	922	559	421	335	277	196	178	96.5
11.10V	A 419	226	180	126.0	76.5	46.5	34.5	27.6	22.8	16.05	14.25	7.65
	W 4754	2612	2099	1474	900	550	410	329	272	192	172.0	92.7