

# ADINO POWER

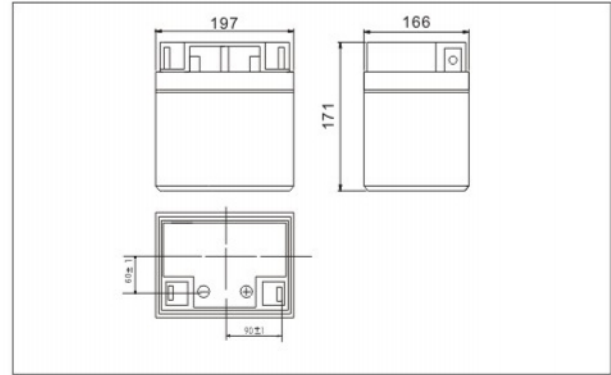
UNINTERRUPTED POWER

## Valve Regulated [MF] Lead Acid Rechargeable Battery

### AP 12V - 44AH



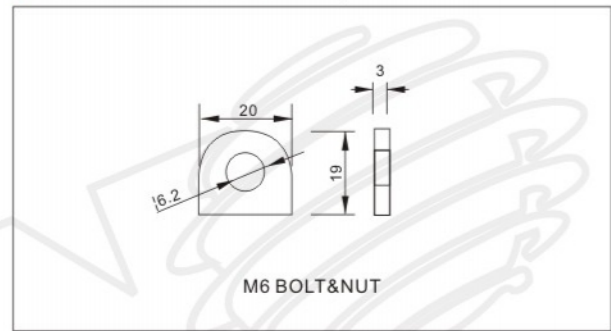
#### Outer dimensions (mm)



#### Specifications

Nominal Voltage	12 V	
Rated capacity (20 hour rate)	44 AH	
Rated capacity (10 hour rate)	40 AH	
Dimensions	Total Height	171mm(6.73 inches)
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	Length	197mm(7.73 inches)
	Width	166mm(6.54 inches)
Weight Approx	13.0Kg(28.6lbs)	

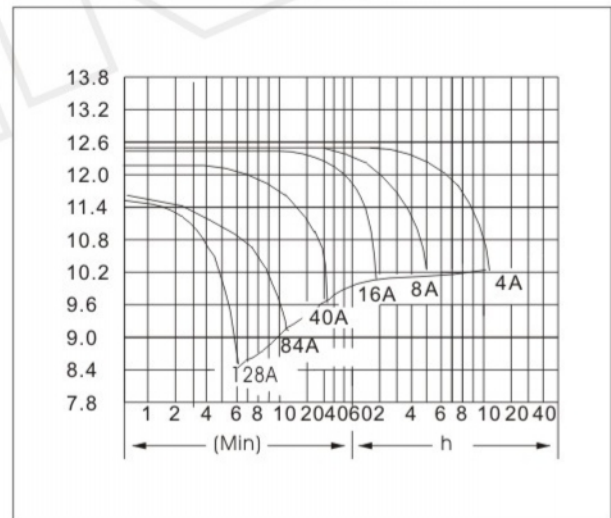
#### Terminal Type (mm)



#### Characteristics

Capacity 25°C(77°F)	20 hour rate (2.2A)	44.0 AH
	10 hour rate (4.0A)	40.0 AH
	5 hour rate (6.4A)	32.0 AH
	1 hour rate(24A)	24.0 AH
	1.5 hour discharge to 10.5V	16.0 A
Internal Resistance	Full charged Battery at 25°C(77°F)	8.5 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	T9	
Charge constant) Voltage)	Cycle	Initial Charging Current less than 16.0 A Voltage 14.10-14.40V Time 10~12h
	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	128	84	68	45.6	24.0	14.0	10.3	8.0	6.6	4.68	2.27
	W	1322	901	730	490	259	154	114	90	75	54	26.4
10.20V	A	124	76	64	43.6	22.6	13.4	10.0	7.8	6.5	4.56	2.20
	W	1325	850	717	489	255	154	116	91	76	53	25.8
10.50V	A	120	68	56	40.8	21.8	13.0	9.8	7.7	6.4	4.52	2.20
	W	1311	775	640	470	253	151	114	90	75	53	26.0
10.80V	A	116	64	52	37.6	21.1	12.7	9.5	7.6	6.2	4.40	2.16
	W	1298	740	600	436	246	149	112	89	74	52	25.7
11.10V	A	112	60	48	33.6	20.4	12.4	9.2	7.4	6.1	4.28	2.04
	W	1268	697	560	393	240	147	109	88	73	51	24.7



SOLUTION EVOLVED FOR YOUR APPLICATION