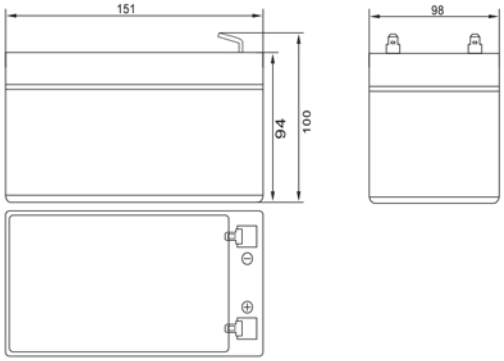
206005: AP14C12

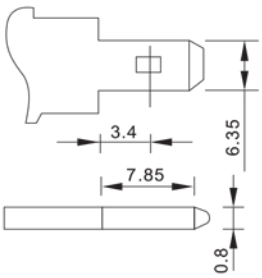
Outer dimensions (mm)



Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		14Ah
Dimensions	Total Height	100 mm (3.94 inches)
	Height	94 mm (3.70 inches)
	Length	151 mm (5.94 inches)
	Width	98 mm (3.86 inches)
Weight Approx		4.05Kg (8.91lbs)

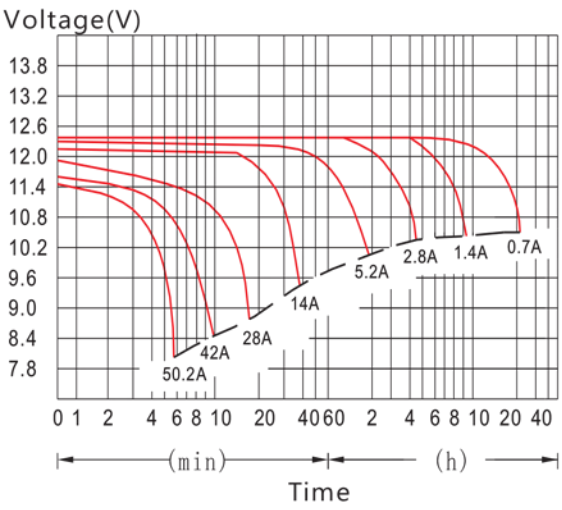
Terminal Type (mm)



Characteristics

Capacity 25℃(77℉)	20 hour rate(0.70A)	14.0AH
	10 hour rate(1.30A)	13.0AH
	5 hour rate(2.40A)	12.0AH
	1 hour rate(8.40A)	8.40AH
	1.5 hour discharge to 10.5V	5.6A
Internal Resistance	Full charged Battery at 25℃(77℉)	12mΩ
Capacity affected by Temperature (20hour rate)	40℃(104℉)	102%
	25℃(77℉)	100%
	0℃(32℉)	85%
	-15℃(5℉)	65%
Self-Discharge at 25℃(77℉)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal	T2	
Charge (constant Voltage) Cycle	Initial Charging Current less than 5.60A Voltage 14.40-15.00V Time 14~16h	
Charge (constant Voltage) Float	Voltage 13.50-13.80V	

Discharge Curves 25℃(77℉)



Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25℃(77℉)

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	50.4	33.0	24.5	16.10	8.40	4.90	3.61	2.89	2.46	1.62	1.32	0.72
	W	523	355	263	173.1	90.7	53.8	40.1	32.6	27.9	18.58	15.29	8.41
10.20V	A	46.2	31.6	22.5	15.28	7.89	4.70	3.50	2.80	2.41	1.59	1.30	0.71
	W	496	353	252	171.6	89.2	54.2	40.5	32.6	28.1	18.63	15.28	8.28
10.50V	A	42.1	29.5	21.0	14.82	7.63	4.61	3.44	2.66	2.38	1.58	1.29	0.70
	W	462	336	240	170.5	88.4	53.4	40.1	31.1	27.9	18.52	15.24	8.27
10.80V	A	40.4	28.2	19.60	14.41	7.37	4.49	3.38	2.61	2.28	1.53	1.25	0.68
	W	453	326	226	166.9	85.8	52.6	39.9	30.9	26.9	18.18	14.91	8.13
11.10V	A	37.4	26.6	18.20	14.00	7.12	4.38	3.21	2.57	2.18	1.49	1.23	0.67
	W	424	308	212	163.8	83.7	51.7	38.1	30.6	26.0	17.88	14.79	8.06

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