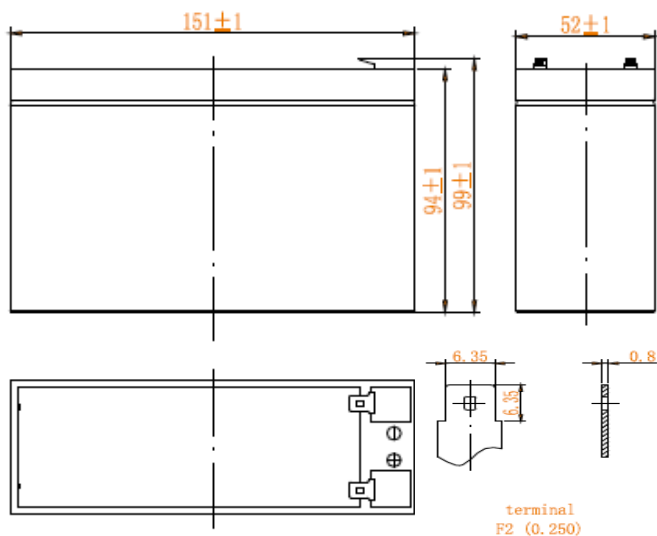


# Maintenance free sealed lead acid batteries *APS General Purpose Series*

## APS1206 (12V 6Ah)

Approx. Weight: 2.18 Kg



### APPLICATIONS

- Emergency power systems
- Telecommunications
- Emergency lighting
- Control equipment
- Alarm & security systems
- Cable TV
- Medical equipment
- Power tools
- Toys



### APPLICABLE STANDARDS

- JIS, DIN, IEC60896-2, BS 6290-4, IATA, UL, CE

**APS General Purpose Series** batteries are designed for applications such as UPS, telecom, electrical utilities etc. With 5 years design life, the batteries comply with the most popular international standards such as IEC896-21/22, BS6290-4, Eurobat Standard Commercial. The battery container and cover are available in both UL94V0 flame retardant ABS or HB ABS plastic. With more than 15 years of production experience the **APS General Purpose Series** of VRLA batteries are recognized as one of the most reliable and high quality battery system in the industry.

### INNOVATIVE FEATURES

- Absorbent Glass Matt (AGM) technology
- Computer designed lead-calcium tin alloy grid
- Superior energy density
- Low internal pressure
- Low self-discharge
- Useable in any orientation
- Optional flame Retardant ABS container
- UL-recognized component.

### TECHNICAL SPECIFICATIONS

- Voltage ..... 12 volt nominal
- Plate alloy ..... Lead Calcium
- Container/Case ... ABS
- Charge voltage .... Float: 13.6 to 13.8 V @ 25 deg C
- IR ..... 18mΩ, fully charged @ 25 deg C
- Max. Recharge .... 0.4 C20 (Amperes)
- Max. Discharge .... 90 Amperes
- Shelf life ..... 6 months @ 25 deg C
- Design life ..... 5 years

# APS1206 Technical Specifications

## Constant Current Discharge Data\* (Amperes @ 25°C)

End Voltage Per cell/V	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	60min
<b>1.60</b>	18.0	14.3	11.0	9.2	8.0	6.9	6.4	5.7	5.1	4.7	4.2
<b>1.65</b>	17.1	13.8	10.6	8.9	7.7	6.6	6.1	5.4	4.9	4.5	4.08
<b>1.70</b>	16.2	13.2	10.2	8.5	7.4	6.4	5.9	5.2	4.7	4.3	3.95
<b>1.75</b>	15.4	12.6	9.7	8.2	7.0	6.1	5.6	5.0	4.5	4.1	3.75
<b>1.80</b>	14.0	12.2	9.3	7.8	6.8	5.8	5.4	4.8	4.3	3.9	3.53

	1.5hr	2h	2.5hr	3h	5h	6hr	7hr	8hr	10hr	12hr	24hr
<b>1.60</b>	3.21	2.5	2.1	1.78	1.22	1.02	0.87	0.76	0.63	0.536	0.277
<b>1.65</b>	3.08	2.4	2.04	1.74	1.15	0.98	0.84	0.74	0.63	0.536	0.277
<b>1.70</b>	2.96	2.3	1.98	1.70	1.10	0.95	0.81	0.71	0.6	0.510	0.264
<b>1.75</b>	2.83	2.2	1.91	1.63	1.05	0.91	0.78	0.69	0.56	0.476	0.246
<b>1.80</b>	2.7	2.1	1.85	1.60	1.03	0.87	0.75	0.66	0.51	0.434	0.224

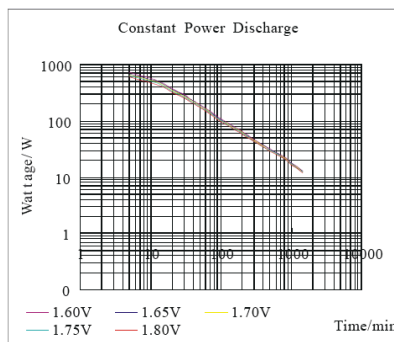
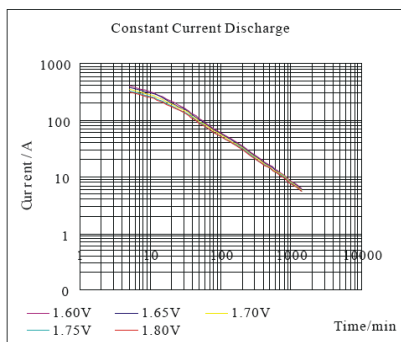
## Constant Power Discharge Data\* (Watts per cell @ 25°C)

End Voltage Per cell/V	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	60min
<b>1.60</b>	34.0	26.7	20.5	17.0	14.7	12.8	11.9	10.8	9.79	9.02	8.4
<b>1.65</b>	32.3	25.6	19.7	16.4	14.1	12.3	11.5	10.3	9.42	8.67	8.05
<b>1.70</b>	30.6	24.6	18.9	15.7	13.5	11.9	11.0	9.79	9.04	8.33	7.65
<b>1.75</b>	28.8	23.6	18.1	15.1	13.0	11.4	10.6	9.34	8.66	7.98	7.3
<b>1.80</b>	27.2	22.5	17.3	14.4	12.5	10.9	10.1	9.10	8.28	7.63	7.11

	1.5hr	2h	2.5hr	3h	5h	6hr	7hr	8hr	10hr	12hr	24hr
<b>1.60</b>	6.32	4.83	4.06	3.44	2.21	1.98	1.70	1.49	1.25	1.066	0.552
<b>1.65</b>	6.10	4.7	3.94	3.36	2.16	1.92	1.65	1.45	1.22	1.066	0.552
<b>1.70</b>	5.88	4.59	3.83	3.28	2.11	1.86	1.6	1.42	1.2	1.015	0.525
<b>1.75</b>	5.66	4.45	3.71	3.18	2.06	1.80	1.56	1.38	1.17	0.947	0.490
<b>1.80</b>	5.44	4.29	3.6	3.05	1.93	1.74	1.51	1.34	1.15	0.863	0.447

\*All data is within standard production tolerances, electrical values are approximate and APS reserves the right to modify data without prior notice. NB. The above characteristics data are average values obtained within three charge/discharge cycles not minimum values.



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