

HP12-6.5 (12V-6 Ah)



Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	6.0Ah@20hr-rate to 1.75V per cell @25 °C
Weight	Approx. 1.8 Kg(Tolerance $\pm$ 4%)
Max. Discharge Current	50 A (5 sec)
Internal Resistance	Approx. 25 m Ω
Operating Temperature Range	Discharge: -20 °C~60 °C Charge: 0 °C~50 °C Storage: -20 °C~60 °C
Normal Operating Temperature Range	25 °C $\pm$ 5 °C
Float charging Voltage	13.7 to 13.9 VDC/unit Average at 25 °C
Recommended Maximum Charging Current	1.5 A
Equalization and Cycle Service	14.6 to 14.8 VDC/unit Average at 25 °C
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for more than 6 months at 25 °C. Self-discharge ratio less than 3% per month at 25 °C. Please charge batteries before using.
Terminal	Faston Tab 187(F1)/Faston tab 250(F2)
Constainer Material	A.B.S. UL94-HB, UL94-V0 Optional.

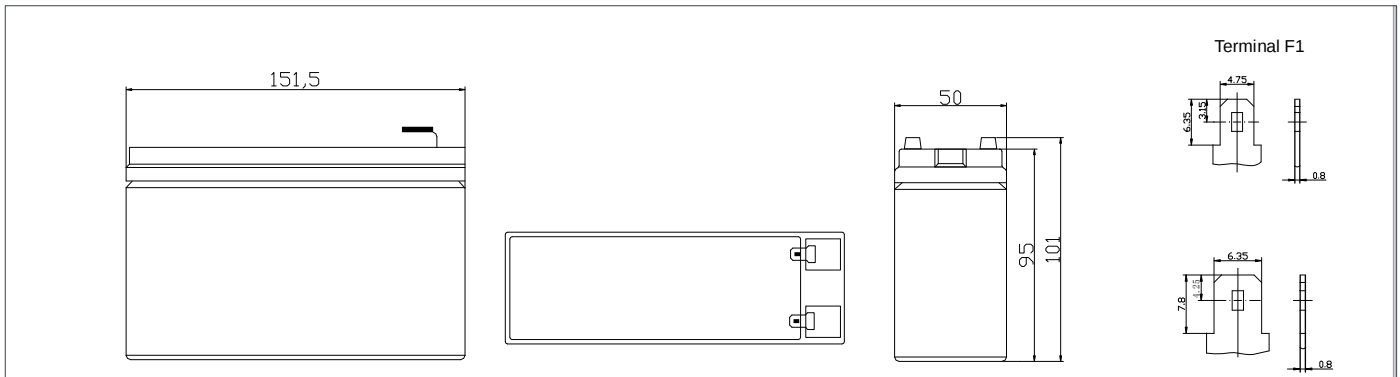


HP is a high rate serie battery with **6~8** years design life in float service. It meets with IEC, JIS, BS and YDT standards.

With advanced AGM valve regulated technology and high purity raw material, the **HP** series battery maintains high consistency for better performance and reliable standby service life. It is suitable for UPS/EPS, Telecom, power grid, medical equipment, emergency light and security system applications.



Dimensions



Constant Current Discharge Characteristics : A(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	22.68	14.87	11.07	5.895	3.737	2.148	1.506	1.226	1.008	0.664	0.575	0.308
10.0V	21.86	14.50	10.72	5.820	3.687	2.105	1.478	1.209	0.999	0.661	0.569	0.305
10.2V	20.58	13.78	10.42	5.731	3.652	2.082	1.465	1.197	0.992	0.655	0.560	0.297
10.5V	18.50	12.89	9.83	5.573	3.607	2.055	1.452	1.179	0.984	0.649	0.557	0.290
10.8V	16.57	12.02	9.27	5.389	3.557	2.038	1.435	1.139	0.979	0.647	0.548	0.279
11.1V	14.50	11.02	8.556	5.184	3.473	1.998	1.407	1.123	0.975	0.642	0.540	0.274

Constant Power Discharge Characteristics : W(25°C)

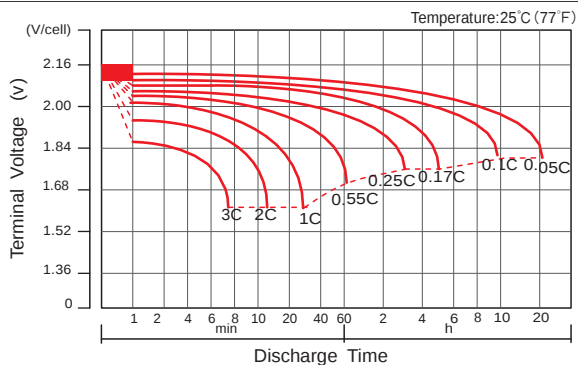
F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	246.0	163.0	122.2	67.48	44.67	25.31	18.00	14.68	12.08	7.950	6.886	3.692
10.0V	239.6	159.7	120.4	66.78	44.02	24.98	17.71	14.47	11.97	7.919	6.821	3.662
10.2V	227.9	153.3	118.9	66.20	43.69	24.76	17.56	14.34	11.89	7.860	6.733	3.568
10.5V	208.0	147.0	112.7	64.85	43.10	24.49	17.43	14.15	11.80	7.793	6.686	3.508
10.8V	187.6	137.5	106.4	63.31	42.54	24.32	17.23	13.67	11.74	7.759	6.584	3.367
11.1V	165.5	128.0	100.3	61.58	41.61	23.97	16.89	13.47	11.70	7.705	6.486	3.314

All mentioned values are average values (Tolerance $\pm$ 2%).

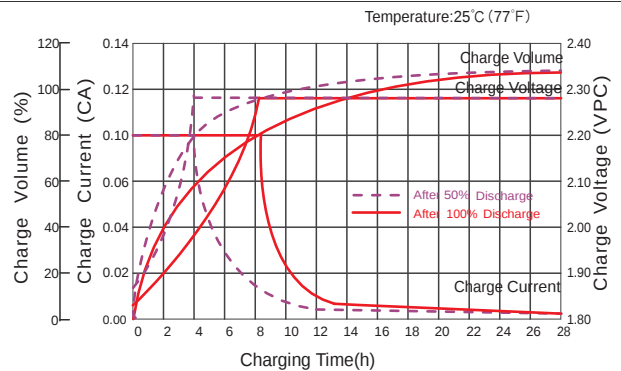
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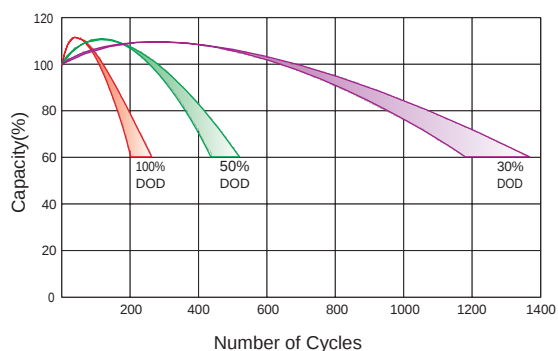
Discharge Characteristics Curve



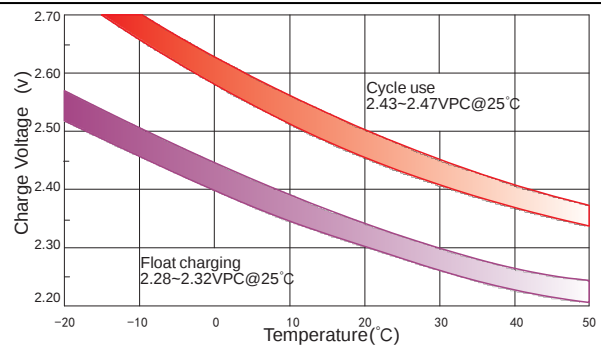
Charge Characteristic Curve For Standby Use



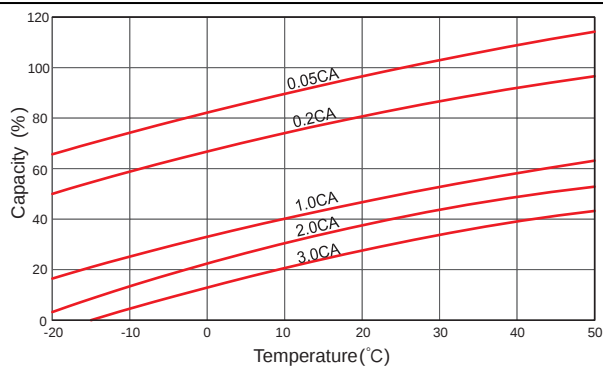
Cycle Life In Relation To Depth Of Discharge



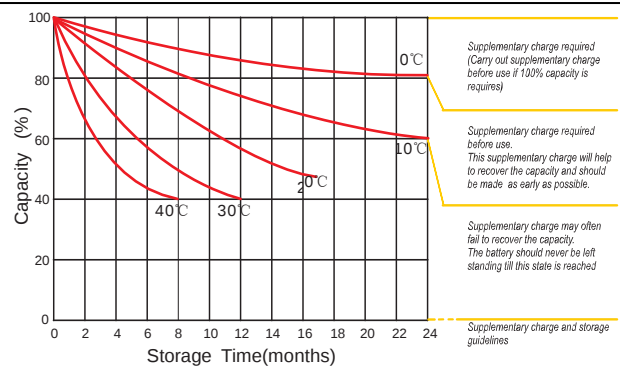
Relationship Between Charging Voltage And Temperature



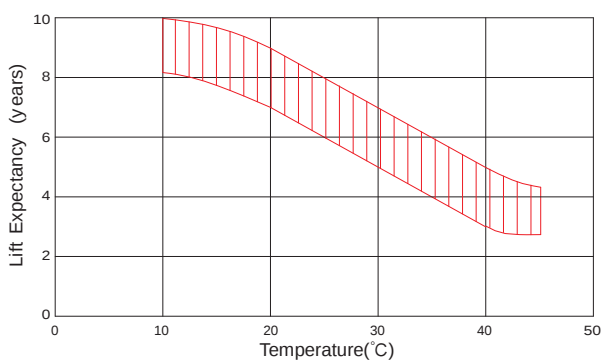
Temperature Effects On Capacity



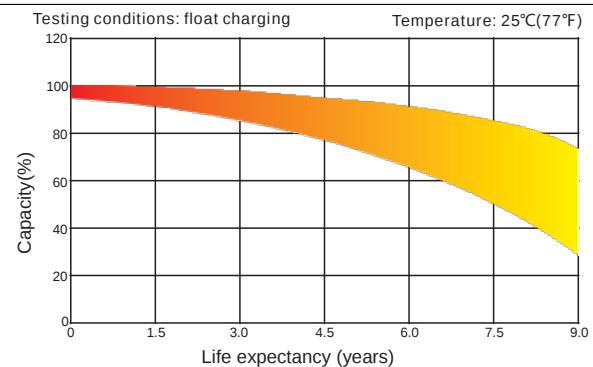
Storage Characteristics



Effect Of Temperature On Long Term Life



Life Characteristics Of Standby Use



(Note) All above information shall be changed without prior notice, We reserves the right to explain and update the latest information.