

HA12-5.4P (12V-5.4AH)



Specification

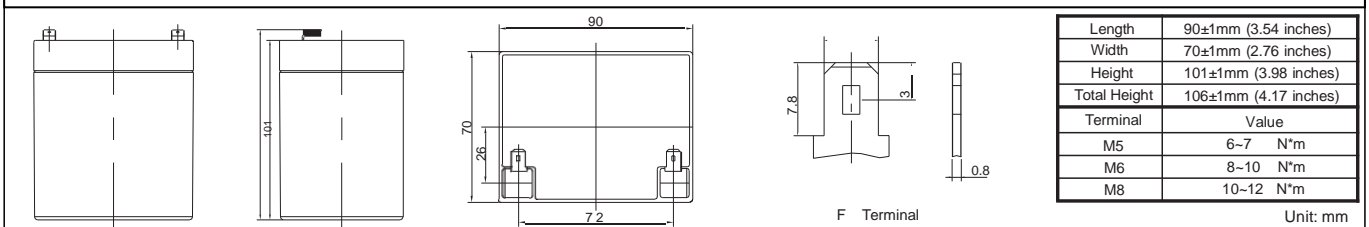
Cells Per Unit	6
Voltage Per Unit	12
Capacity	20W@15min-rate to 1.67V per cell @25°C
Weight	Approx. 1.70 Kg (Tolerance±4.0%)
Internal Resistance	Approx. 30 mΩ
Terminal	F1/F2
Max. Discharge Current	50A (5 sec)
Short Circuit Current	275A
Design Life	Could Reach 8 years
Recommended Maximum Charging Current	1.5 A
Reference Capacity	C10 4.6AH C20 5.4AH
Standby Use Voltage	13.7 V~13.9 V @ 25°C
Cycle Use Voltage	14.6 V~14.8 V @ 25°C
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charge batteries before using.
Constainer Material	A.B.S. UL94-HB, UL94-V0 Optional.



The **HP (High Rate)** series Valve Regulated Lead Acid (VRLA) battery is designed for heavy load discharge applications with 8 years design life in float service. By using strong grids and specially designed active material the **HP** series is with lower I.R, lower self discharge rate, high power, and longer service life performance. Generally the **HP** series offers 30% more power output than the standard range. Suitable for high power standby and cycling situation, such as UPS, datacenter, electric tools, etc.



Dimensions



Constant Current Discharge Characteristics : A (25°C)

F.V/Tim e	3 MIN	5 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	60 MIN	90 MIN
1.60 V	22.98	19.98	16.61	14.66	11.33	9.173	6.716	3.916	2.854
1.67 V	21.27	18.49	15.59	13.75	10.74	8.556	6.402	3.732	2.717
1.70 V	20.38	17.72	15.04	13.26	10.41	8.230	6.221	3.625	2.635
1.75 V	19.25	16.74	14.29	12.45	9.92	8.005	6.045	3.565	2.576
1.80 V	18.11	15.74	13.53	11.63	9.43	7.767	5.860	3.495	2.514
1.85 V	16.90	14.69	12.73	10.79	8.889	7.496	5.644	3.411	2.439

Constant Power Discharge Characteristics : WPC (25°C)

F.V/Tim e	3 MIN	5 MIN	8 MIN	10 MIN	15 MIN	20 MIN	30 MIN	60 MIN	90 MIN
1.60 V	41.6	36.2	30.5	27.1	21.1	16.9	12.4	7.2	5.3
1.67 V	38.9	33.8	28.9	25.7	20.2	15.9	11.9	7.0	5.1
1.70 V	37.7	32.8	28.2	25.0	19.8	15.5	11.7	6.8	5.0
1.75 V	36.1	31.4	27.2	23.8	19.1	15.2	11.5	6.8	4.9
1.80 V	34.4	29.9	26.1	22.6	18.4	15.0	11.3	6.8	4.9
1.85 V	32.8	28.5	25.0	21.4	17.7	14.8	11.1	6.8	4.8

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values.

