

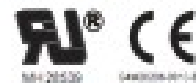
HG12-14 EV (12V14Ah)



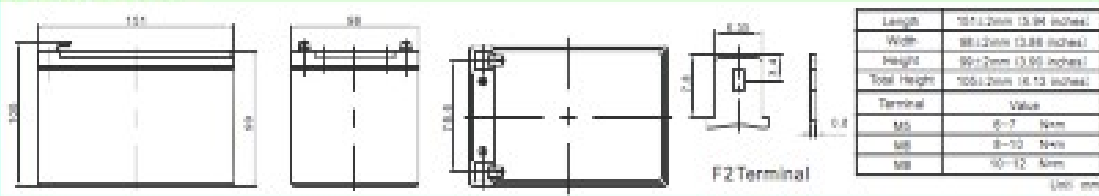
Specification

Cells Per Unit	6
Voltage Per Unit	12
Capacity	14Ah@10hr-rate to 1.75V per cell @25°C
Weight	Approx. 4.5 Kg (Tolerance ±4%)
Internal Resistance	Approx. 12.0 mΩ
Terminal	F1/F2
Max. Discharge Current	210A (5 sec)
Cold Cranking Ampere(CCA)	140A
Maximum Charging Current	4.2A
Reference Capacity	C3 10.5AH
	C5 12.1AH
	C10 13.2AH
	C20 14.0AH
Float Charging Voltage	13.6 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.5 V~14.8 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -30°C~50°C Charge: 0°C~50°C Storage: -20°C~60°C
Normal Operating Temperature Range	25°C ±5°C
Self Discharge	Value Provided Lead Acid (SLA) battery can be used for other applications with the same capacity and voltage. Actual self-discharge rate may vary.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

HG-EV series is specially designed for frequent discharge deep cycle application. By using the specially designed active material, strong grids and thick plate construction, the HG-EV series battery offers reliable performance in high load situations and could provide competitive cycle performance. Suitable for Electric Vehicle and Golf cart; Industrial equipment, Floor , machines, Forklifts, Aerial lifts, and Robotics; Marine, RV, and no-ride solutions; Mobility and Medical equipment; and most outdoor application.



Dimensions



Constant Current Discharge Characteristics : A(25°C)

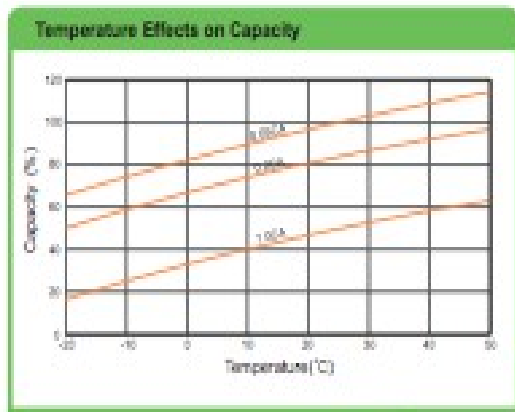
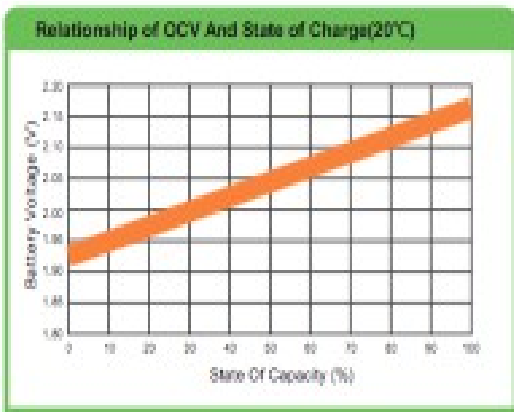
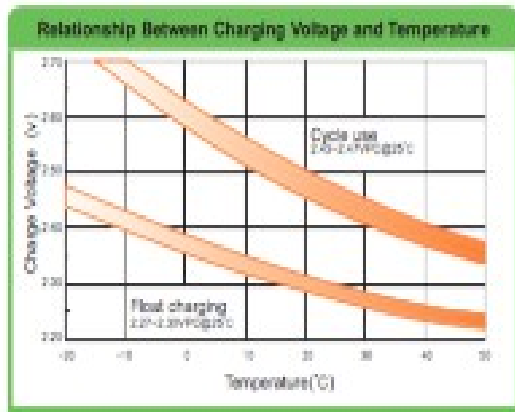
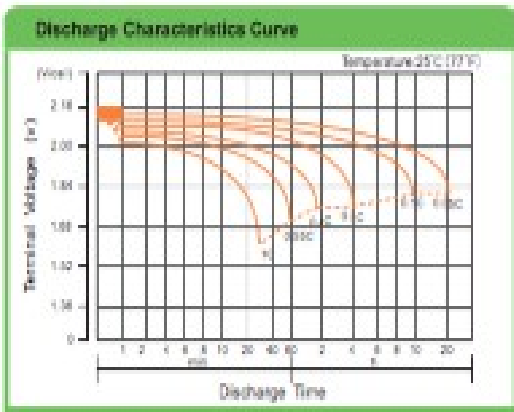
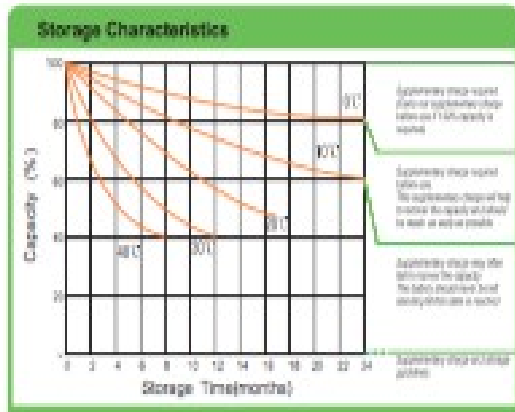
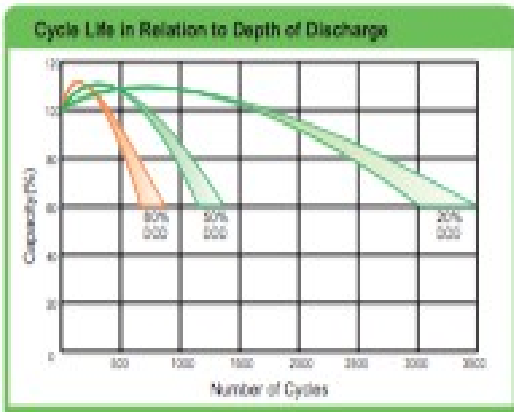
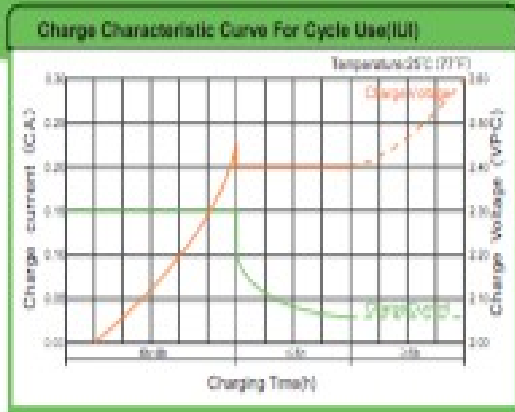
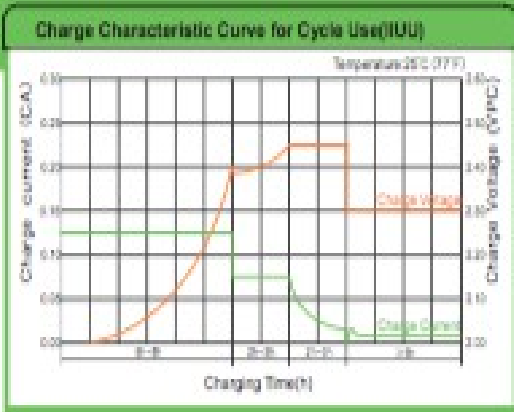
F. V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	10HR	20HR
1.60V	16.43	9.64	5.50	3.89	3.04	2.54	1.71	1.42	0.726
1.65V	16.09	9.46	5.41	3.83	3.00	2.50	1.69	1.40	0.721
1.70V	15.63	9.22	5.28	3.75	2.94	2.46	1.67	1.38	0.713
1.75V	15.01	8.89	5.11	3.64	2.86	2.41	1.63	1.36	0.700
1.80V	14.16	8.44	4.88	3.49	2.76	2.32	1.58	1.32	0.683
1.85V	12.95	7.79	4.54	3.27	2.60	2.21	1.51	1.27	0.658

Constant Power Discharge Characteristics : WPC(25°C)

F. V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	6HR	10HR	20HR
1.60V	29.84	18.03	10.43	7.42	5.83	4.89	3.35	2.79	1.43
1.65V	29.65	17.88	10.33	7.35	5.78	4.85	3.32	2.76	1.42
1.70V	28.98	17.48	10.12	7.22	5.69	4.78	3.27	2.73	1.41
1.75V	28.11	16.94	9.84	7.04	5.56	4.69	3.21	2.68	1.38
1.80V	26.79	16.16	9.44	6.78	5.37	4.55	3.12	2.61	1.35
1.85V	24.75	15.03	8.83	6.39	5.09	4.33	2.99	2.51	1.30

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

HG12-14 EV (12V14 Ah)



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