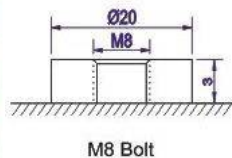
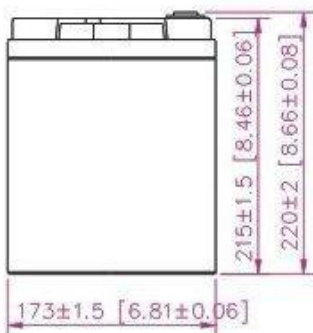
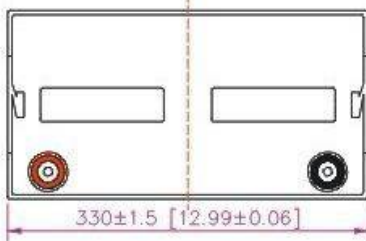
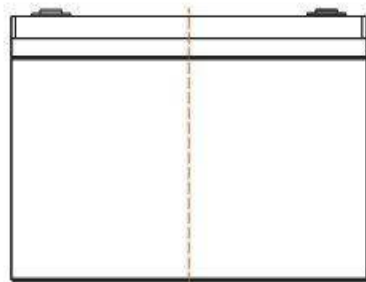
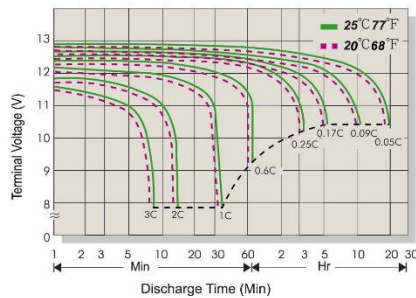
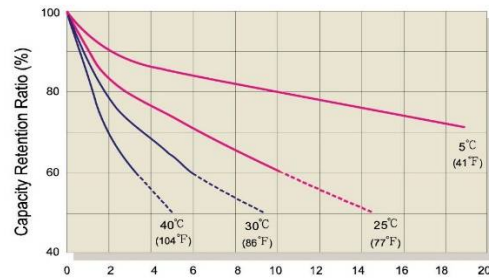
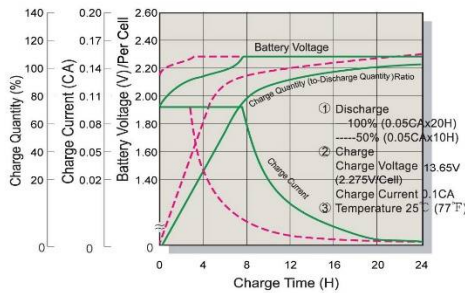
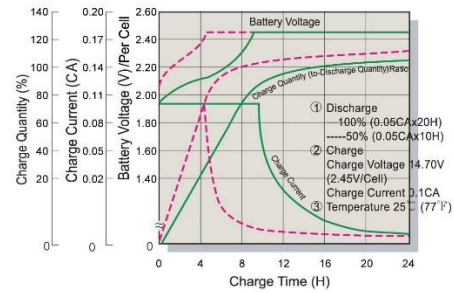
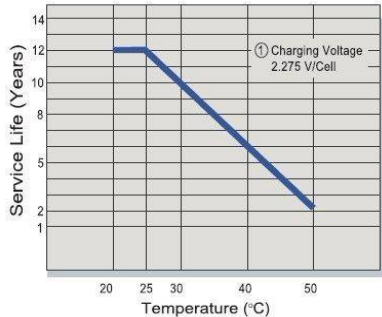
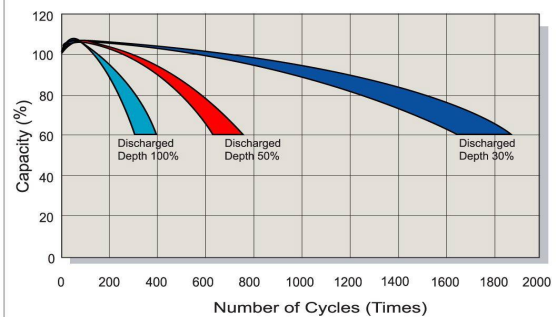



DATASHEET
GHL 100-12A
12V 100AH
GEL SEALED VRLA BATTERY
LONG LIFE 12 YEARS OF EXPECTED LIFETIME
 (EUROBAT)

SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity	100Ah	
Terminal	M8	
Approx. Weight	Approx 30,8 kg (67,90 lbs)	
Container Material	ABS UL94 V0	
Dimensions	Length	330±2 mm (12,99 inches)
	Width	173±2 mm (6,81 inches)
	Container Height	215±2 mm (8,46 inches)
	Total Height (with terminal)	220±2 mm (8,66 inches)
Rated Capacity	110 Ah	20 hr (5,5A 10,8V, 25°C)
	100 Ah	10 hr (10A 10,8V, 25°C)
	83 Ah	5 hr (16,6A 10,5V, 25°C)
	77,4 Ah	3 hr (25,8A 10,5V, 25°C)
Max. Discharge Current	1.200,0 A (5 s)	
Internal Resistance	Approx 7,8 mΩ	
Charge Voltage (25°C)	Cycle Use:	14,4-14,6V(-30mV/°C) max current 20A
	Float Use:	13,6-13,8 (-20mV/°C)
Capacity affected by Temperature	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	88%
	-15°C (5°F)	78%
Self discharge	2% of capacity declined per month at 25°C	

TERMINAL VOLTAGE(V) AND DISCHARGE TIME

CAPACITY RETENTION CHARACTERISTIC

BATTERY VOLTAGE AND CHARGE TIME FOR STANDBY USE

BATTERY VOLTAGE AND CHARGE TIME FOR CYCLE USE

TICKLE (OR FLOAT) SERVICE LIFE

CYCLE SERVICE LIFE

Constant Current Discharge (CC, Unit : A)
at 25°C

F.V/Time	5 min	10 min	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	6 hr	8 hr	10 hr	20 hr
1,85V/Cell	209	160	135	98	56	33,3	23,9	19,7	16,2	14,25	11,41	9,8	5,30
1,80V/Cell	259	205	164	105	58	34,5	25,3	20,8	16,3	14,34	11,92	10,0	5,5
1,75V/Cell	266	224	171	108	59	36,8	25,8	21,3	16,6	14,61	12,12	10,1	5,55
1,70V/Cell	284	230	176	110	60	37,1	26,3	21,35	16,65	14,65	12,20	10,2	5,6
1,67V/Cell	302,8	237,4	180,6	112,7	61,4	37,57	26,89	21,78	17,18	14,91	12,38	10,36	5,63
1,60V/Cell	318	242	183	114	62	37,6	27,15	21,8	17,15	15,00	12,42	10,4	5,65

Constant Power Discharge (CP, Unit : W)
at 25°C

F.V/Time	5 min	10 min	15 min	30 min	1 hr	2 hr	3 hr	4 hr	5 hr	6 hr	8 hr	10 hr	20 hr
1,85V/Cell	397,1	304	256,5	186,2	106,4	63,3	45,4	37,4	30,8	27,41	21,7	18,6	9,2
1,80V/Cell	492,1	389,5	311,6	199,5	110,2	65,6	48,1	39,5	31	27,59	22,6	19	9,5
1,75V/Cell	505,4	425,6	324,9	205,2	112,1	69,9	50	40,5	31,5	28,04	23	19,2	9,6
1,70V/Cell	539,6	437	334,4	209	114	70,5	50,05	40,55	31,55	28,10	23,2	19,4	9,7
1,67V/Cell	596,8	456,9	349,7	214,7	118,3	72,5	51,5	41,0	31,9	28,4	23,4	19,6	9,8
1,60V/Cell	604,2	459,8	347,7	216,6	117,8	71,4	51,5	41,4	32,5	28,93	23,6	19,8	9,9