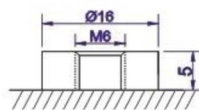
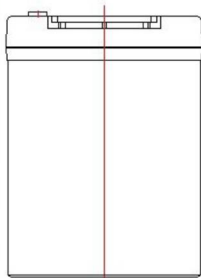
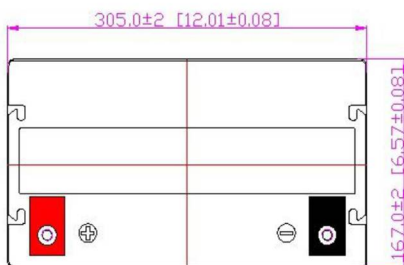
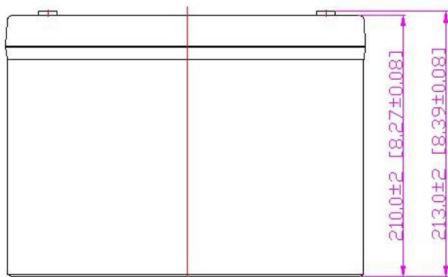


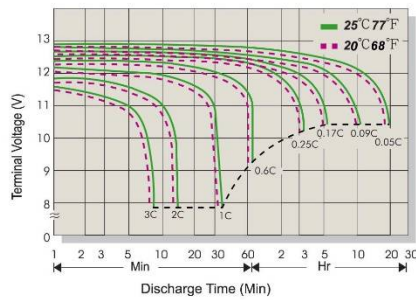
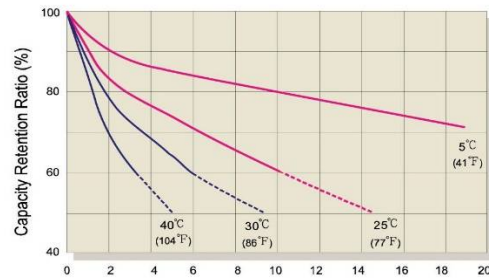
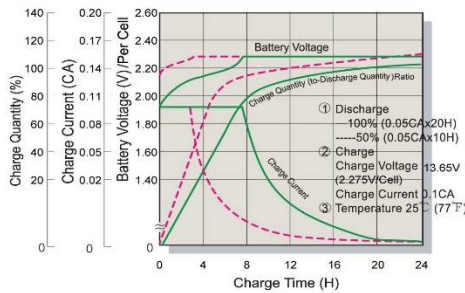
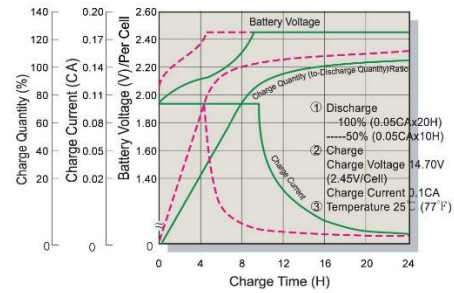
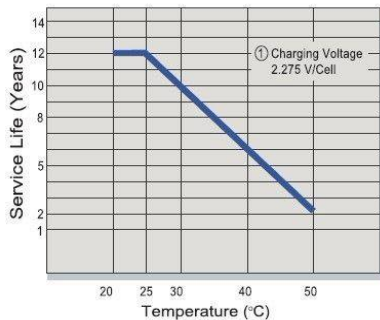
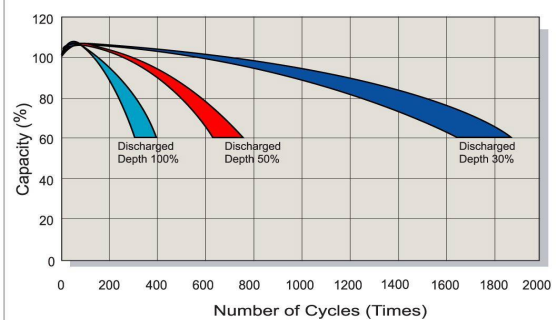

DATASHEET
GHL 100-12S
12V 100AH

GEL SEALED VRLA BATTERY
LONG LIFE 12 YEARS OF EXPECTED LIFETIME
 (EUROBAT)


M6 Bolt
SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity	100Ah	
Terminal	M6	
Approx. Weight	Approx 28,4 kg (62,61 lbs)	
Container Material	ABS UL94 V0	
Dimensions	Length	305±2 mm (12,04 inches)
	Width	167±2 mm (6,57 inches)
	Container Height	210±2 mm (8,26 inches)
	Total Height (with terminal)	220±2 mm (8,66 inches)
Rated Capacity	100 Ah	20 hr (4,68A 10,8V, 25°C)
	90 Ah	10 hr (9,0A 10,8V, 25°C)
	74,9 Ah	5 hr (14,98A 10,5V, 25°C)
	66,09 Ah	3 hr (22,03A 10,5V, 25°C)
Max. Discharge Current	1.080,0 A (5 s)	
Internal Resistance	Approx 8 mΩ	
Charge Voltage (25°C)	Cycle Use:	14,4-14,6V(-30mV/°C) max current 18A
	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)	85%
	-15°C (5°F)	65%
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	205,7	151,5	131,5	79,4	46,7	27,55	20,51	17,30	14,24	13,11	10,49	8,64	4,50
1,80V/Cell	213,5	157,3	136,5	82,4	48,7	28,70	21,42	18,02	14,84	13,65	10,92	9,00	4,68
1,75V/Cell	234,9	165,2	143,4	85,7	50,7	29,55	22,03	18,20	14,98	13,79	11,03	9,09	4,72
1,70V/Cell	262,6	173,0	150,2	89,8	51,6	30,10	22,45	18,38	15,13	13,93	11,14	9,18	4,77
1,67V/Cell	290,4	180,9	157,0	92,2	53,6	30,95	23,12	18,56	15,28	14,07	11,26	9,27	4,82
1,60V/Cell	314,6	190,3	165,2	96,1	54,2	31,28	23,38	18,77	15,45	14,23	11,38	9,37	4,88

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	390,8	287,9	249,8	150,8	88,8	52,3	38,97	32,87	27,05	24,90	20,04	16,41	8,30
1,80V/Cell	405,7	298,8	259,4	156,6	92,6	54,5	40,70	34,24	28,19	25,94	20,88	17,10	8,66
1,75V/Cell	446,3	313,8	272,4	162,8	96,3	56,1	41,85	34,59	28,47	26,21	21,10	17,27	8,74
1,70V/Cell	499,0	328,7	285,3	170,6	98,1	57,2	42,66	34,92	28,74	26,46	21,30	17,44	8,82
1,67V/Cell	551,8	343,7	298,4	175,2	101,8	58,8	43,93	35,27	29,03	26,72	21,51	17,61	8,91
1,60V/Cell	597,8	361,7	314,0	182,7	102,9	59,4	44,4	35,6	29,3	27,0	21,7	17,8	9,0