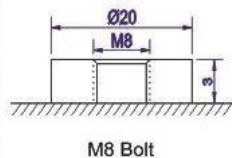
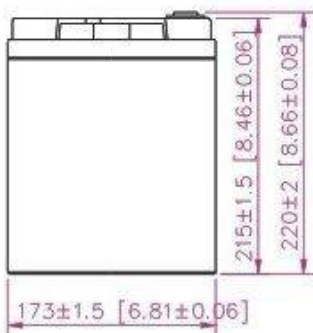
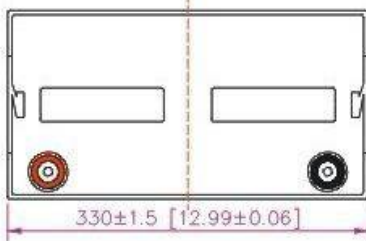
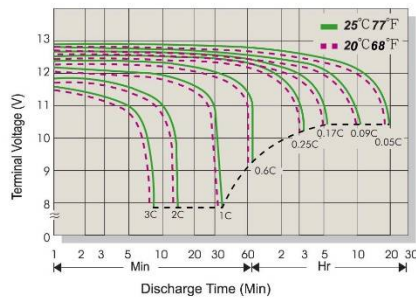
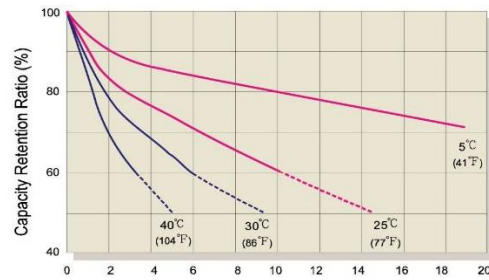
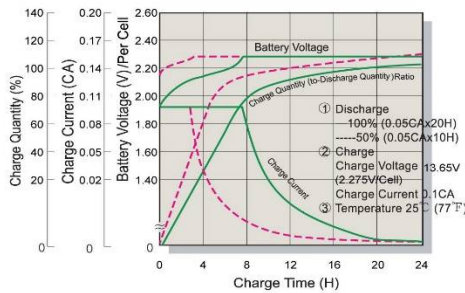
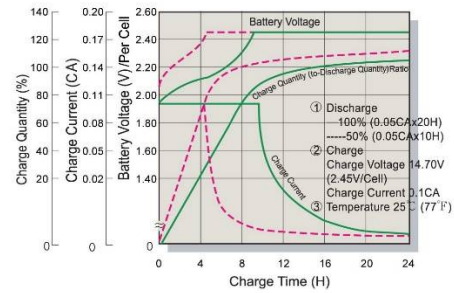
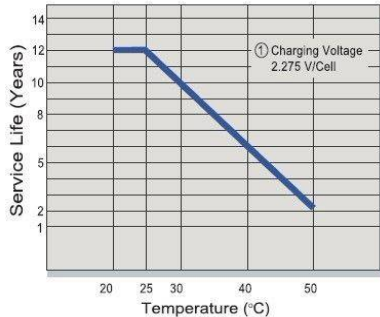
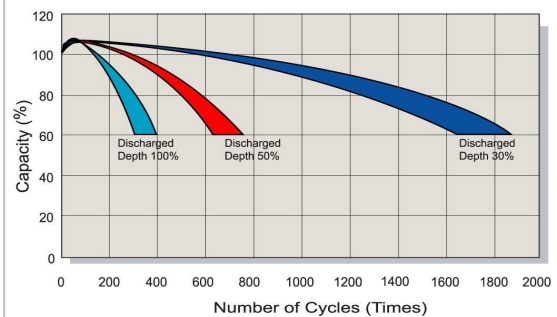


**DATASHEET**  
**GHL 120-12**
**12V 120AH**


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


**SPECIFICATIONS**

Nominal Voltage	12V	
Nominal Capacity	120Ah	
Terminal	T13 (M8)	
Approx. Weight	Approx 30,5 kg (67,24 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	124,8 Ah	20 hr (6,24A 10,8V, 25°C)
	120 Ah	10 hr (10A 10,8V, 25°C)
	88 Ah	5 hr (17,6A 10,5V, 25°C)
	82 Ah	3 hr (27,3A 10,5V, 25°C)
Max. Discharge Current	1.350,0 A (5 s)	
Internal Resistance	Approx 7,3 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	271,2	199,7	173,4	104,6	61,6	36,30	27,10	22,81	18,78	17,28	13,80	11,52	6,00
1,80V/Cell	281,5	207,4	180,0	108,6	64,2	37,80	28,20	23,76	19,56	18,00	14,40	12,00	6,24
1,75V/Cell	309,7	217,7	189,0	112,9	66,8	38,90	29,00	24,00	19,76	18,18	14,54	12,12	6,30
1,70V/Cell	346,3	228,1	198,0	118,4	68,1	39,70	29,60	24,24	19,95	18,36	14,69	12,24	6,37
1,67V/Cell	366,8	234,7	203,7	120,7	69,8	40,49	30,23	24,50	20,17	18,56	14,85	12,37	6,43
1,60V/Cell	382,9	238,5	207,0	121,6	70,6	40,80	30,50	24,47	20,15	18,54	14,83	12,36	6,44

**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	515,2	379,5	329,4	198,7	117,1	68,9	51,40	43,34	35,68	32,83	26,26	21,89	11,16
1,80V/Cell	534,9	394,0	342,0	206,3	122,0	71,8	53,60	45,14	37,16	34,20	27,36	22,80	11,40
1,75V/Cell	288,4	413,7	359,1	214,6	126,9	74,0	55,20	45,60	37,54	34,54	27,63	23,03	11,51
1,70V/Cell	657,9	433,4	376,2	224,9	129,3	75,4	56,30	46,05	37,91	34,88	27,90	23,26	11,63
1,67V/Cell	727,7	453,1	393,4	231,0	134,2	77,5	58,0	46,5	38,3	35,2	28,2	23,5	11,8
1,60V/Cell	727,4	453,1	393,3	231,1	134,2	77,6	57,90	46,50	38,28	35,23	28,18	23,48	11,74