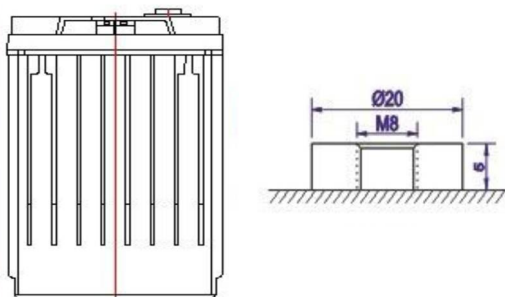
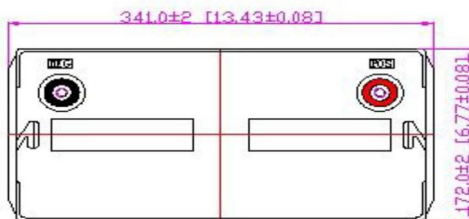
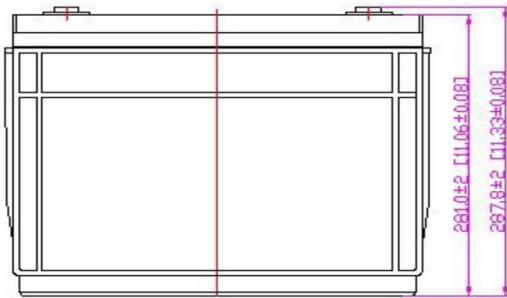
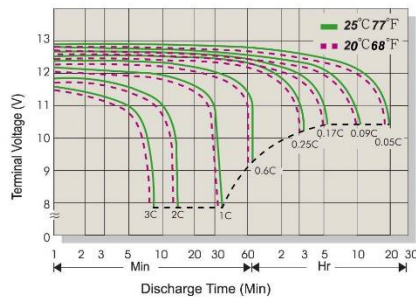
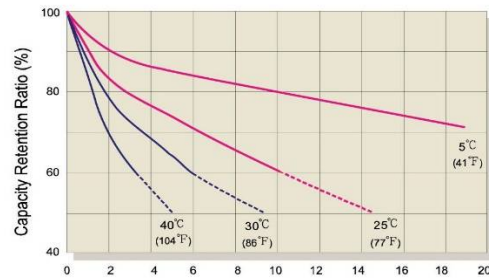
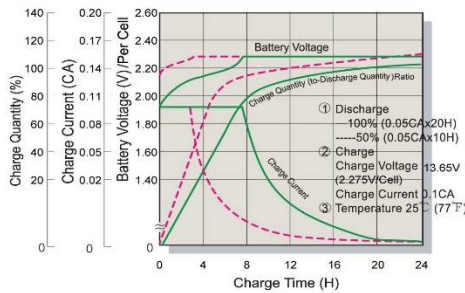
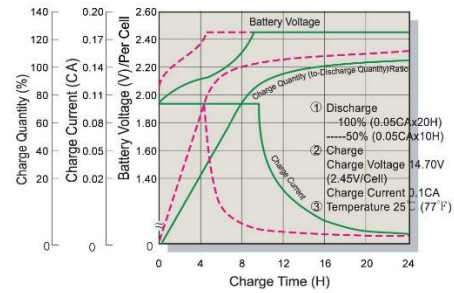
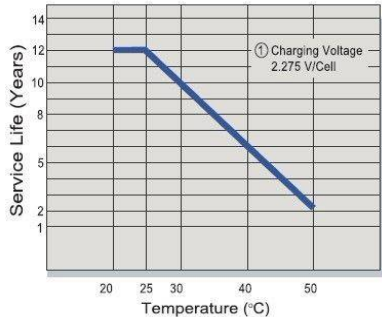
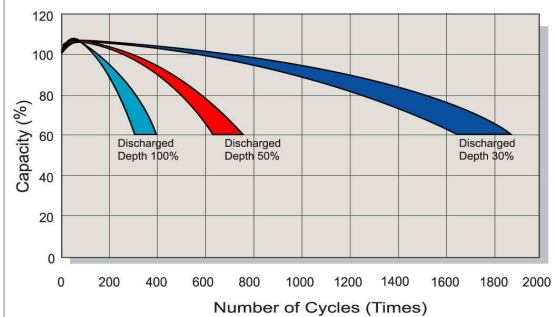



DATASHEET
GHL 140-12
12V 140AH

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


SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity	140Ah	
Terminal	B5	
Approx. Weight	Approx 41,8 kg (92,15 lbs)	
Container Material	ABS UL94 V0	
Dimensions	Length	341±2 mm (13,42 inches)
	Width	172±2 mm (6,77 inches)
	Container Height	281±2 mm (11,06 inches)
	Total Height (with terminal)	288±2 mm (11,33 inches)
Rated Capacity	140 Ah	20 hr (7A 10,8V, 25°C)
	135 Ah	10 hr (13,5A 10,8V, 25°C)
	111,1 Ah	5 hr (22,22A 10,5V, 25°C)
	98,01 Ah	3 hr (32,67A 10,5V, 25°C)
Max. Discharge Current	1.350,0 A (5 s)	
Internal Resistance	Approx 6,25 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)	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	305,1	224,7	195,0	117,7	69,3	40,86	30,42	25,66	21,12	19,44	15,55	12,96	6,70
1,80V/Cell	316,7	233,3	202,5	122,2	72,3	42,57	31,77	26,73	22,00	20,25	16,20	13,50	7,00
1,75V/Cell	348,4	245,0	212,7	127,1	75,1	43,83	32,67	27,00	22,22	20,46	16,37	13,64	7,01
1,70V/Cell	389,5	256,6	222,7	133,2	76,6	44,64	33,30	27,26	22,44	20,65	16,52	13,77	7,02
1,67V/Cell	430,7	268,3	232,9	136,8	79,5	45,90	34,29	27,53	22,66	20,86	16,69	13,90	7,09
1,60V/Cell	466,6	282,3	245,0	142,6	80,3	46,38	34,68	27,84	22,92	21,09	16,87	14,04	7,18

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	579,6	427,0	370,5	223,7	131,7	77,6	57,79	48,75	40,12	36,93	29,73	24,62	12,31
1,80V/Cell	601,7	443,2	384,7	232,2	137,3	80,9	60,36	50,78	41,81	38,47	30,97	25,65	12,82
1,75V/Cell	661,9	465,4	404,0	241,4	142,8	83,3	62,07	51,30	42,22	38,87	31,29	25,91	12,96
1,70V/Cell	740,0	487,5	423,2	253,1	145,5	84,8	63,27	51,79	42,63	39,24	31,59	26,16	13,08
1,67V/Cell	818,4	509,7	442,5	259,9	151,0	87,2	65,15	52,31	43,05	39,64	31,91	26,42	13,22
1,60V/Cell	886,6	540,0	465,6	271,0	152,6	88,1	65,9	52,9	43,5	40,0	32,2	26,7	13,4