



GHL Series GEL Battery

GHL Series – Storage – type Gelled Battery

- Completely sealed and maintenance-free, low self-discharge
- 100% precise quality testing, stable quality and high reliable performance
- Unique grid alloy formula, Gelled electrolyte formula and updated manufacturing technique
- Floating & standby use : up to 12 years
- Cycle use 1 : More than 350 cycles at 100% DOD
- Cycle use 2 : More than 750 cycles at 50% DOD
- Cycle use 3 : More than 1800 cycles at 30% DOD

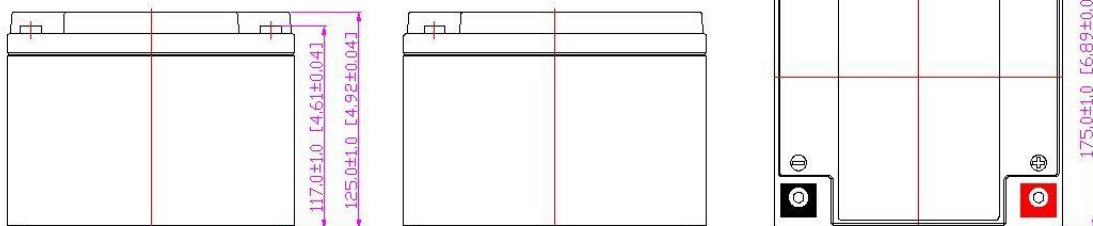
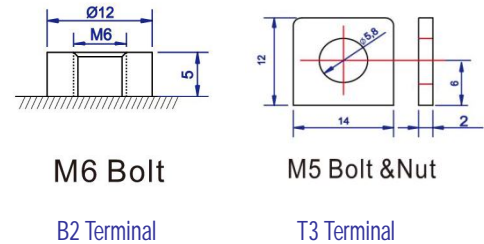
Application :

- Telecommunications
- UPS / EPS
- DC Power Supply
- Solar system
- Wind Power System
- Auto Control System



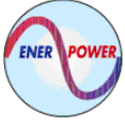
Construction :

- ComponentRaw material
- PositiveLead dioxide
- NegativeLead
- Container ABS "UL 94 V0"
- Cover ABS "UL 94 V0"
- SealantEpoxy
- Safety valveRubber
- TerminalCopper/Pb
- SeparatorFiber glass
- ElectrolyteGelled acid



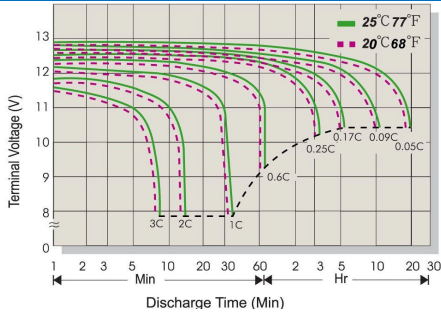
Construction :

Battery Model	GHL 26-12A 12 V 26 Ah			
Designed Floating Life	Up to 12 Years			
Capacity (25°C)	20 hr (1.28A 10,8V)	10 hr (2.46A 10,8V)	5 hr (4.68A 10,5V)	3 hr (6.95A 10,5V)
	25,6 Ah	24,6 Ah	23.4 Ah	20.85 Ah
Dimensions	Length	Width	Height	Total Height
	175 mm	166 mm	117 mm	125 mm
Approx. Weight	7.25 kg			
Internal Resistance	Full charged at 25°C : ≤ 11 mΩ			
Self Discharge	3% of capacity declined per month at 25°C			
Capacity Affected by Temp. (20 hr)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage (25°C)	Cycle Use		Float Use	
	14,4-14,6V(-30mV/°C) max current 5A		13,6-13,8 (-20mV/°C)	

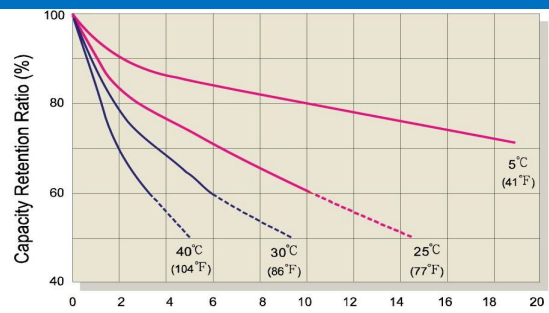


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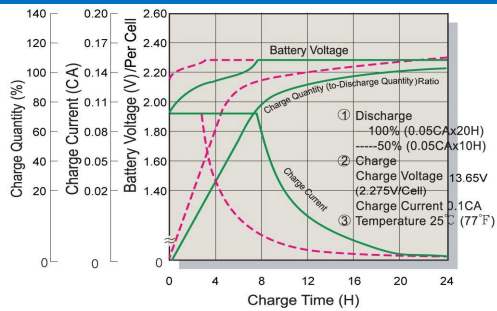
Terminal Voltage(V) and Discharge Time



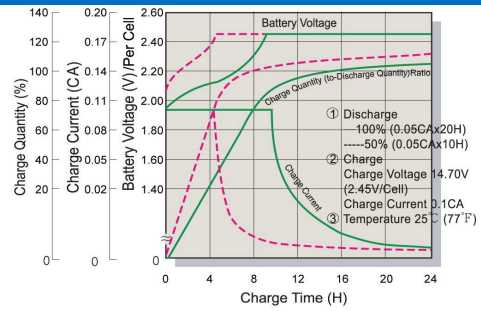
Capacity Retention Characteristic



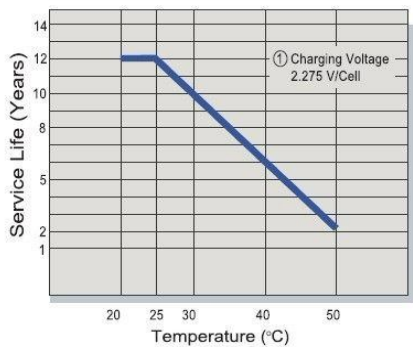
Battery Voltage and Charge Time for Standby Use



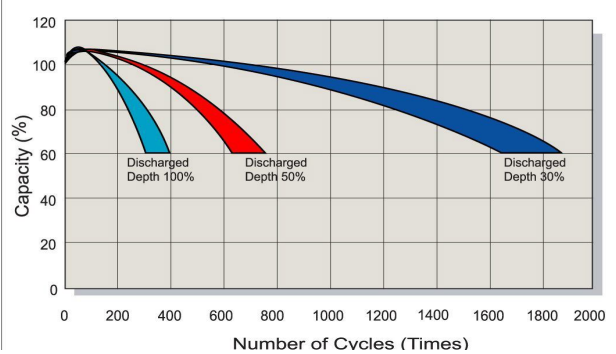
Battery Voltage and Charge Time for Cycle Use



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	85,5	50,5	39,7	25,9	15,1	8,72	6,70	5,50	4,51	3,67	2,94	2,41	1,25
1,80V/Cell	87,1	51,4	40,4	26,4	15,4	8,89	6,83	5,61	4,59	3,74	3,00	2,46	1,28
1,75V/Cell	88,8	52,4	41,2	26,8	15,7	9,06	6,95	5,71	4,68	3,82	3,05	2,50	1,30
1,70V/Cell	96,7	55,5	43,7	27,9	15,9	9,21	7,08	5,81	4,76	3,88	3,11	2,55	1,32
1,67V/Cell	106,5	60,3	47,4	29,5	16,1	9,31	7,15	5,87	4,81	3,92	3,14	2,57	1,34
1,60V/Cell	115,4	63,4	49,8	30,7	16,3	9,41	7,23	5,94	4,86	3,97	3,17	2,60	1,35

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	166,7	98,4	77,3	50,4	29,4	17,0	13,06	10,73	8,79	7,16	5,76	4,70	2,44
1,80V/Cell	169,9	100,3	78,8	51,4	30,0	17,3	13,31	10,93	8,96	7,30	5,88	4,79	2,49
1,75V/Cell	173,1	102,2	80,3	52,3	30,6	17,7	13,56	11,13	9,12	7,44	5,99	4,88	2,54
1,70V/Cell	188,6	108,3	85,1	54,4	31,1	18,0	13,80	11,33	9,28	7,57	6,09	4,96	2,58
1,67V/Cell	207,7	117,5	92,3	57,5	31,4	18,2	13,95	11,45	9,38	7,65	6,16	5,02	2,61
1,60V/Cell	225,0	123,6	97,2	59,9	31,8	18,4	14,10	11,58	9,49	7,73	6,22	5,07	2,64