

GENERAL FEATURES

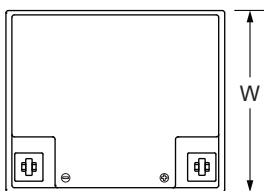
- **GEL Technology** - DG batteries comes from the internationally superior Gel technology. It is ideal for standby or frequent cyclic discharge applications under extreme environments.
- **Long Life Time** - By using strong grids, high purity lead and patented Gel electrolyte, the DGseries offers excellent recovery after deep discharge under frequent cyclic discharge use, and can deliver 400 cycles at 100% DOD.
- **Maintenance-Free, Non-Spillable** - Proven VRLA technology guarantees safe operation without maintenance and 'non- restricted article' status for transportation.
- **Excellent Recovery from Deep Cycle** - Unique technical processes are used into the grid alloy and electrolyte additive, in this case the battery can be recharged after being over-discharged.
- **Designed-In Reliability** - Cutting-edge manufacturing and process control combined with meticulous quality assurance procedures guarantee consistent and dependable performance

PERFORMANCE SPECIFICATIONS

Nominal Voltage	12V(6 cells)	
Design Floating Life @25°C	12 Years	
Nominal Capacity @25°C	20 hour rate	38.00Ah
	10 hour rate	37.14Ah
	5 hour rate	32.54Ah
	3 hour rate	29.67Ah
	1 hour rate	23.03Ah
Internal Resistance	Full Charged Battery@25°C <8mΩ	
Energy Density (20-hr. rate)	86.41W-h/l	
Specific Energy (20-hr. rate)	36.92W-h/kg	
Shelf Life (nominal capacity at 20°C)	1 Month	97%
	3 Months	91%
	6 Months	83%
Max.Discharge Current@25°C	7 Min.	120.0A
Max Short-Duration Discharge Current	10 Sec	380.0A
Standby Use Charge (Constant Voltage) @25°C	Initial Charging Current	Less than 12A
	Voltage	13.6-13.8V
Cycle Use Charge (Constant Voltage) @25°C	Initial Charging Current	Less than 12A
	Voltage	14.6-14.8 V
Operating Temperature Range	Charge	0°C to 50°C
	Discharge	-20°C to 60°C

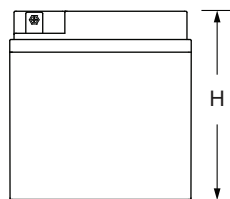
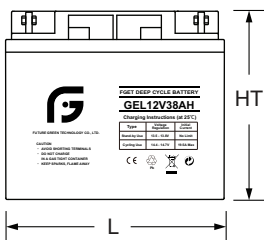
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mm



Unit: mm

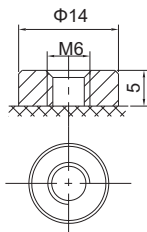
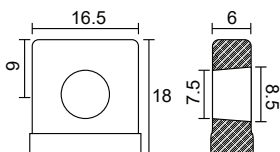
Length	198±1
Width	166±1
Height	169±1
Total Height	169±1
Weight(kg)	13.0±3%

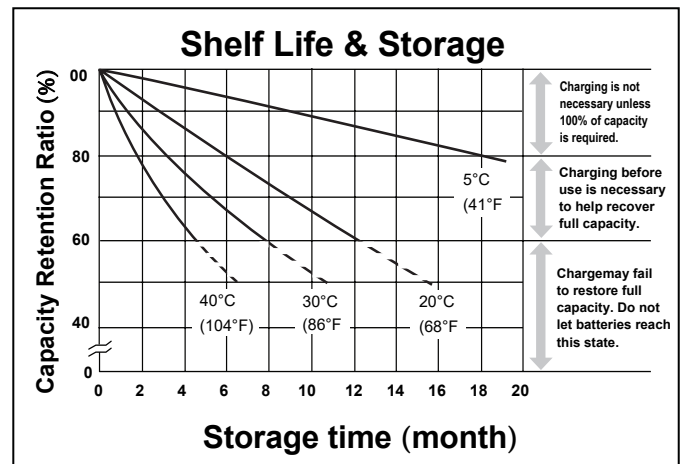
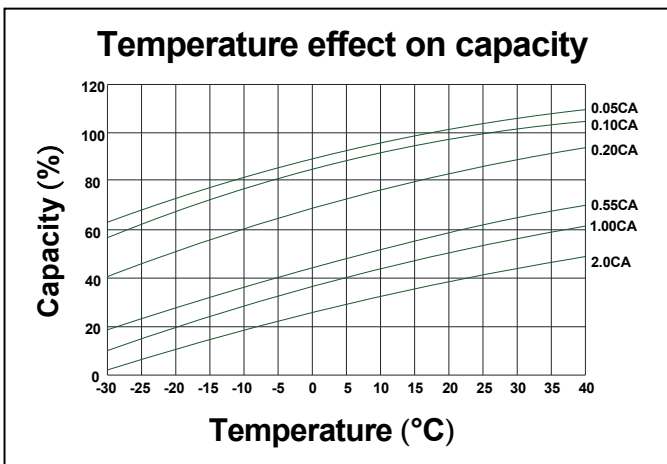
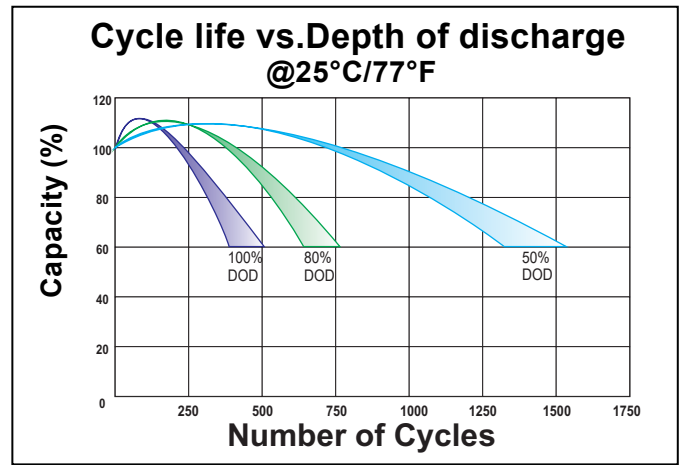
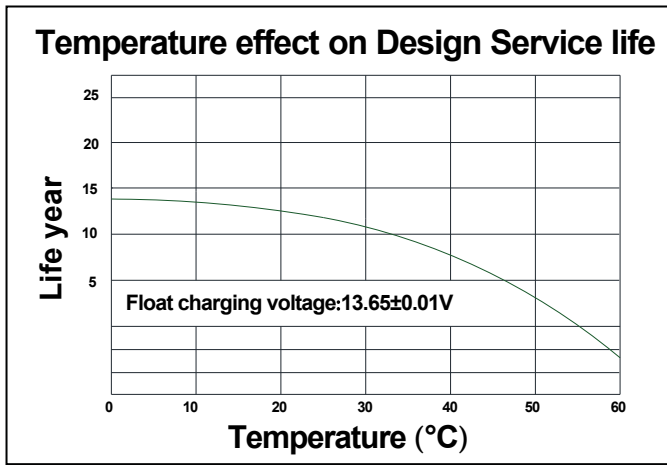
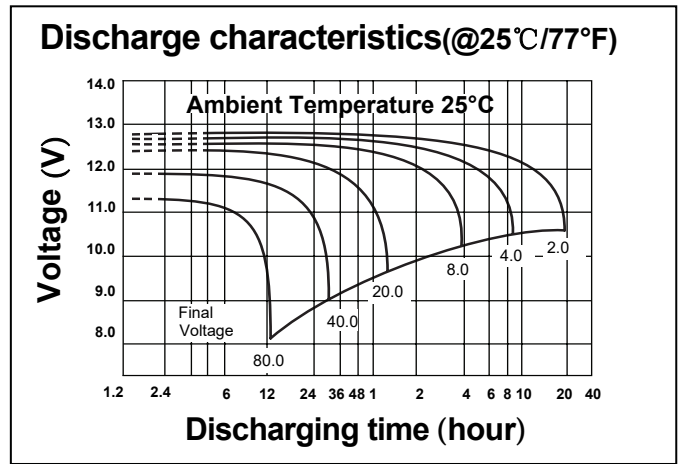
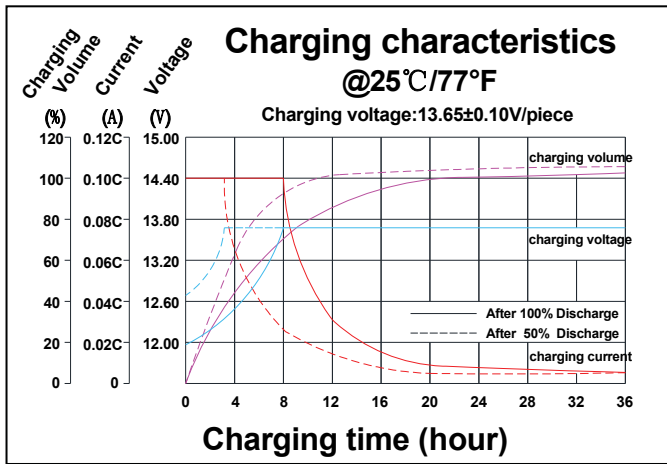


TERMINALS

mm

- NB4: Heavy duty terminal posts with nut and bolt fasteners
- T6: Threaded insert w. 6 mm stud fastener





CONSTANT CURRENT DISCHARGE RATINGS (Amperes at 25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	133.2	98.0	73.14	41.96	24.24	14.20	10.57	8.37	7.05	4.81	4.08	2.08
1.65V	128.3	94.73	70.95	41.08	23.79	13.96	10.41	8.25	6.97	4.76	4.04	2.06
1.70V	121.9	90.47	68.07	39.91	23.18	13.64	10.19	8.10	6.85	4.69	3.98	2.03
1.75V	113.3	84.77	64.21	38.33	22.35	13.20	9.90	7.89	6.69	4.59	3.91	2.00
1.80V	102.0	77.14	59.01	36.16	21.21	12.59	9.49	7.60	6.47	4.45	3.80	1.95
1.85V	86.71	66.73	51.84	33.08	19.59	11.72	8.90	7.17	6.14	4.25	3.65	1.88