

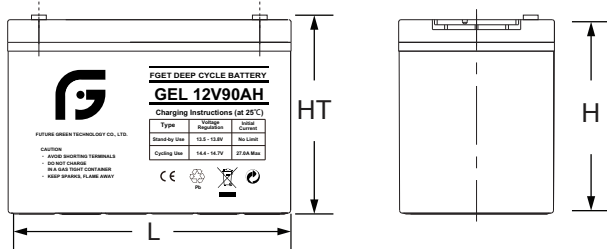
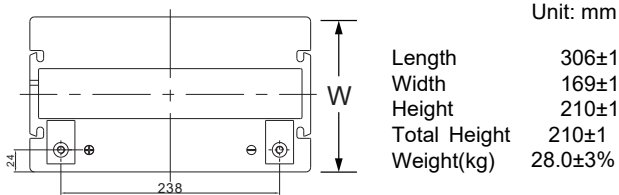
GENERAL FEATURES

- **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

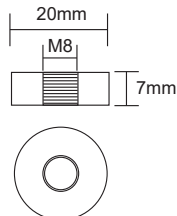
Nominal Voltage	12V(6 cells)	
Design Floating Life @25°C	12 Years	
Nominal Capacity @25°C	20 hour rate 4.50A to 10.50V	90.00Ah
	10 hour rate 7.97A to 10.50V	79.70Ah
	5 hour rate 14.30A to 10.20V	71.50Ah
	3 hour rate 20.70A to 9.90V	62.10Ah
Internal Resistance	1 hour rate 50.30A to 9.60V	50.30Ah
	Full Charged Battery@25°C	<6.5mΩ
Energy Density (20-hr. rate)	97.26W-h/l	
Specific Energy (20-hr. rate)	37.89W-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.	270.0A
Max Short-Duration Discharge Current	10 Sec	675.0A
Standby Use Charge (Constant Voltage) @25°C	Initial Charging Current	Less than 27.0A
	Voltage	13.6-13.8V
Cycle Use Charge (Constant Voltage) @25°C	Initial Charging Current	Less than 27.0A
	Voltage	14.2-14.4 V
Operating Temperature Range	Charge	-20°C to 50°C
	Discharge	-40°C to 60°C

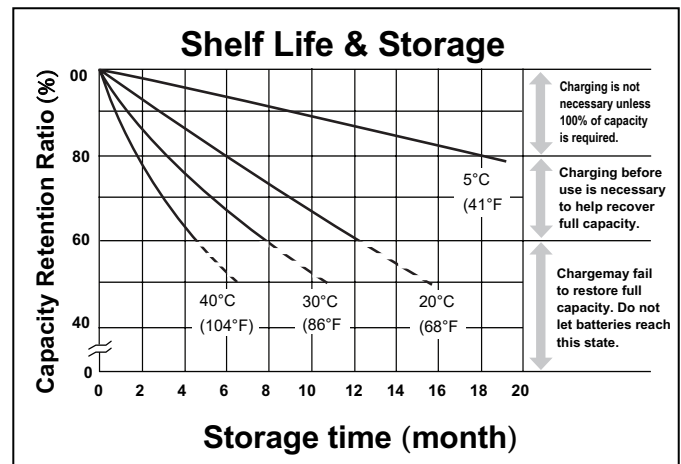
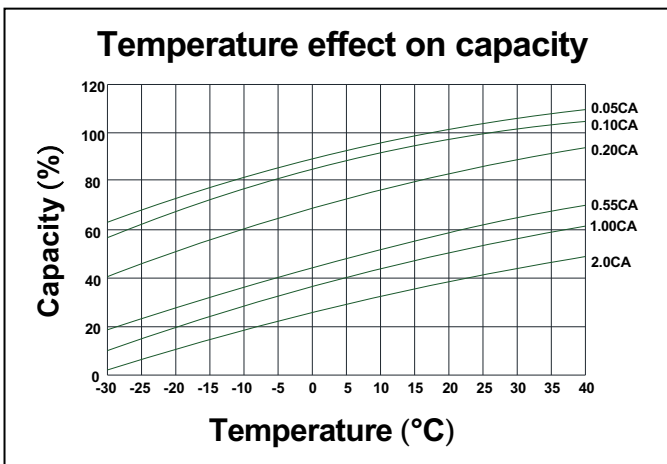
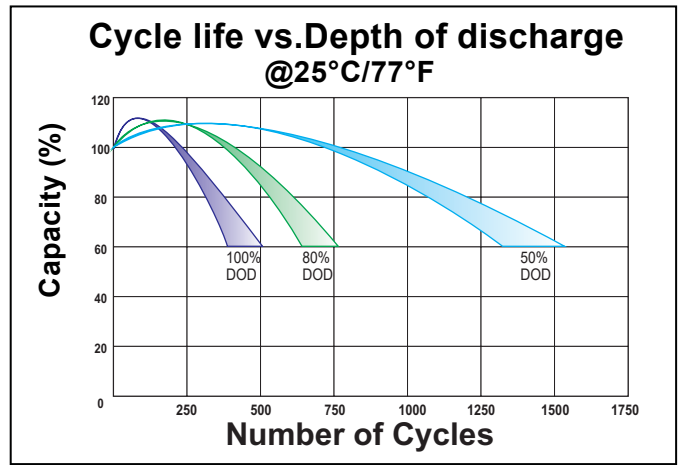
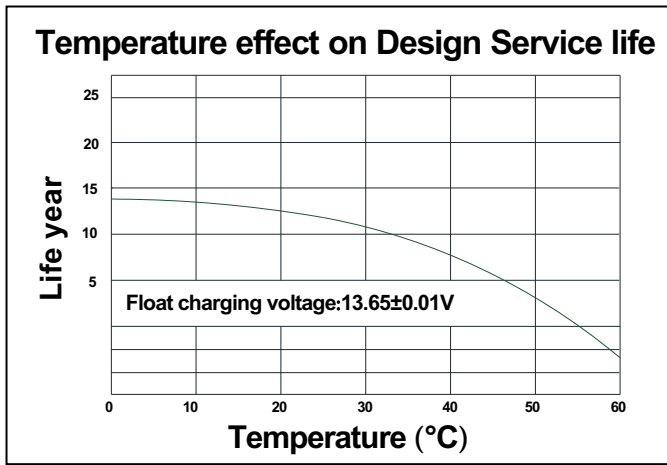
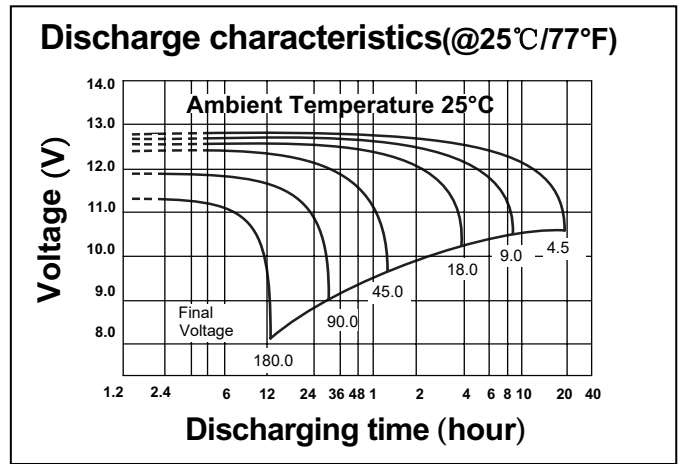
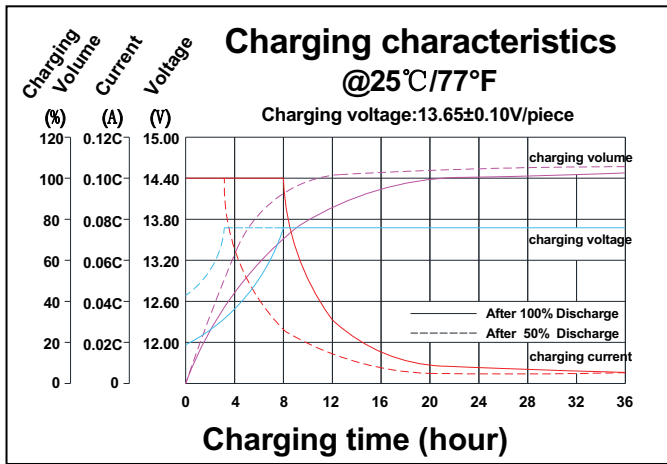
GENERAL FEATURES mm



TERMINALS mm

- T11 - THREADED INSERT - 8mm STUD





CONSTANT CURRENT DISCHARGE RATINGS (Amperes at 25°C)

F.V/Time	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
9.60V	166.8	130.5	85.8	50.3	30.1	20.8	17.2	14.5	9.90	8.21	4.95
10.0V	158.7	127.9	84.4	50.1	29.9	20.7	17.1	14.4	9.82	8.13	4.77
10.2V	153.1	125.9	83.7	49.6	29.6	20.5	17.1	14.3	9.74	8.05	4.64
10.5V	143.0	121.2	83.9	49.1	29.4	20.5	16.9	14.1	9.66	7.97	4.50
10.8V	131.9	113.1	83.2	48.0	28.9	19.9	16.5	13.9	9.50	7.89	4.23
11.1V	119.3	102.6	78.7	45.6	27.6	19.0	15.7	13.3	9.09	7.66	4.05