



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

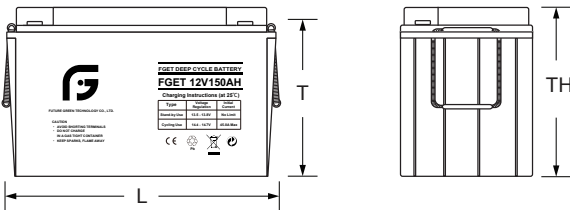
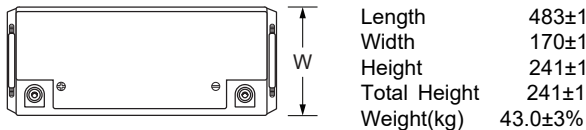
PERFORMANCE SPECIFICATIONS

Nominal Voltage	12V(6 cells)	
Design Floating Life @25°C	12 Years	
Nominal Capacity @25°C	20 hour rate	150.00Ah
	7.50A to 10.50V	
	10 hour rate	132.00Ah
	13.20A to 10.50V	
Internal Resistance	5 hour rate	115.00Ah
	23.00A to 10.20V	
	3 hour rate	103.50Ah
	34.50A to 9.90V	
Energy Density (20-hr. rate)	1 hour rate	83.80Ah
	83.80A to 9.60V	
Specific Energy (20-hr. rate)	Full Charged Battery@25°C	<6mΩ
Shelf Life (nominal capacity at 20°C)	1 Month	97%
	3 Months	91%
	6 Months	83%
Max.Discharge Current@25°C	7 Min.	449.40A
	Max Short-Duration Discharge Current	10 Sec 1016.50A
Standby Use Charge (Constant Voltage) @25°C	Initial Charging Current	Less than 45.0A
	Voltage	13.6-13.8V
Cycle Use Charge (Constant Voltage) @25°C	Initial Charging Current	Less than 45.0A
	Voltage	14.2-14.4 V
Operating Temperature Range	Charge	-20°C to 50°C
	Discharge	-40°C to 60°C



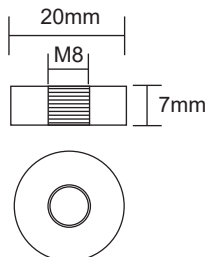
GENERAL FEATURES mm

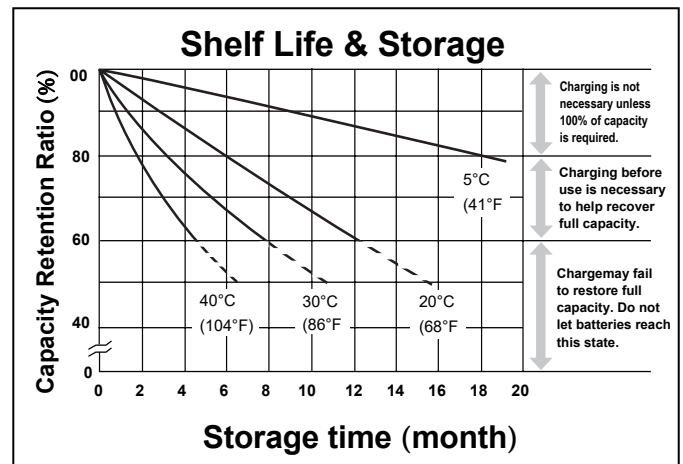
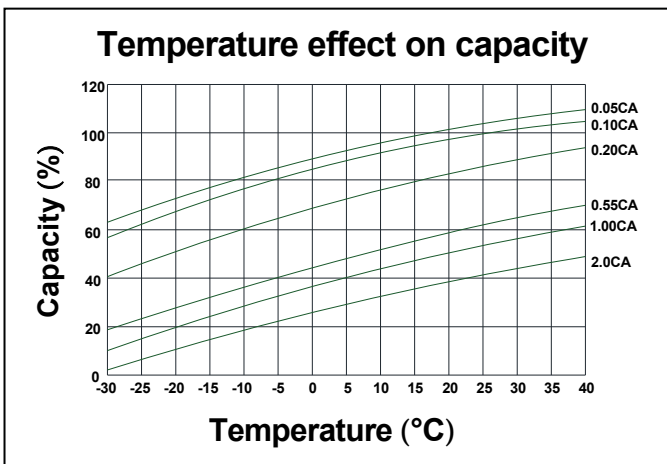
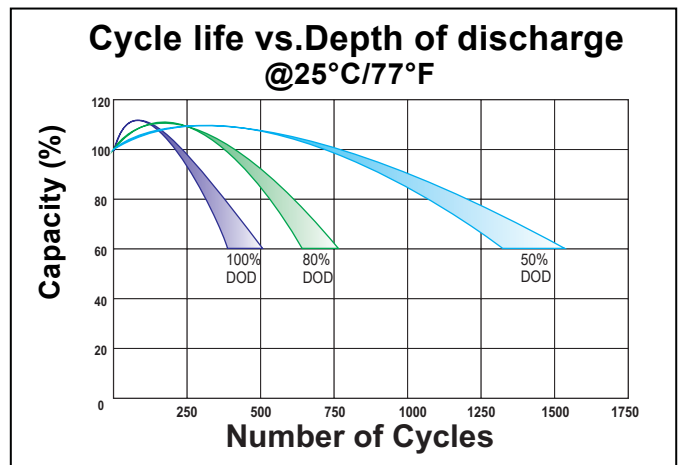
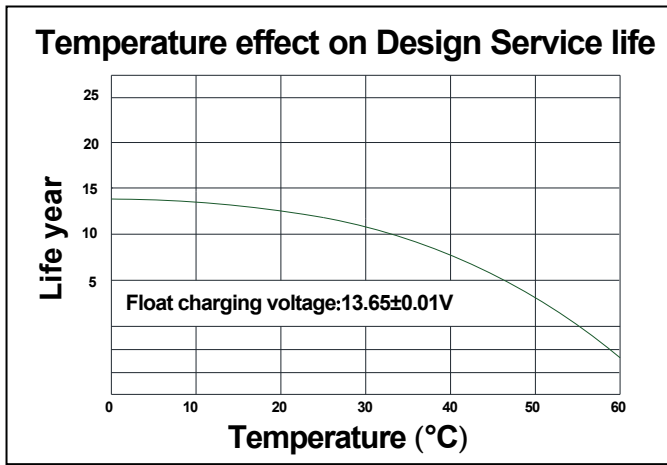
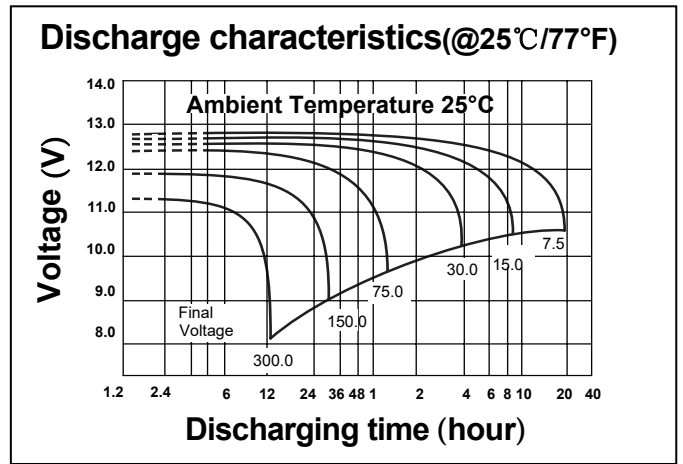
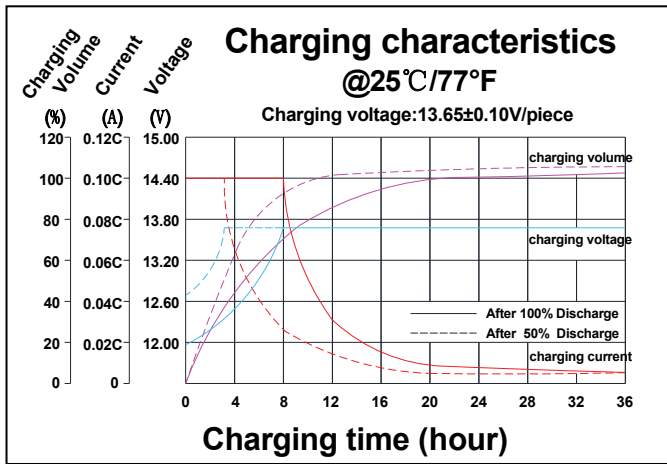
Unit: mm



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	255.7	205.2	137.5	83.8	50.2	34.7	28.4	23.3	16.0	13.5	8.25
10.0V	243.3	201.0	136.4	83.5	49.8	34.5	28.3	23.1	15.9	13.4	7.95
10.2V	234.7	197.9	135.5	82.7	49.4	34.3	28.2	23.0	15.8	13.3	7.73
10.5V	219.1	190.6	133.4	81.9	49.0	34.1	27.9	22.7	15.6	13.2	7.50
10.8V	202.2	177.7	128.8	80.0	48.2	33.2	27.2	22.3	15.4	13.0	7.05
11.1V	182.8	161.3	121.8	76.0	46.0	31.8	25.9	21.3	14.7	12.6	6.75