

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

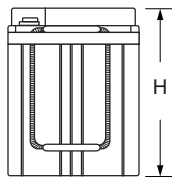
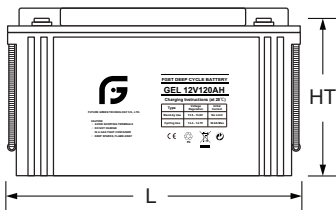
Nominal Voltage	12V(6 cells)	
Design Floating Life @25°C	12 Years	
Nominal Capacity @25°C	20 hour rate 6.00A to 10.50V	120.00Ah
	10 hour rate 10.50A to 10.50V	105.00Ah
	5 hour rate 18.40A to 10.20V	92.00Ah
	3 hour rate 27.60A to 9.90V	82.80Ah
Internal Resistance	1 hour rate 67.10A to 9.60V	67.10Ah
	Full Charged Battery@25°C	<5.5mΩ
Energy Density (20-hr. rate)	88.84W-h/l	
Specific Energy (20-hr. rate)	40.56W-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. 360.0A	
Max Short-Duration Discharge Current	10 Sec 900.0A	
Standby Use Charge (Constant Voltage) @25°C	Initial Charging Current	Less than 36.0A
	Voltage	13.6-13.8V
Cycle Use Charge (Constant Voltage) @25°C	Initial Charging Current	Less than 36.0A
	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

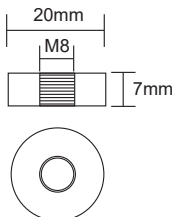


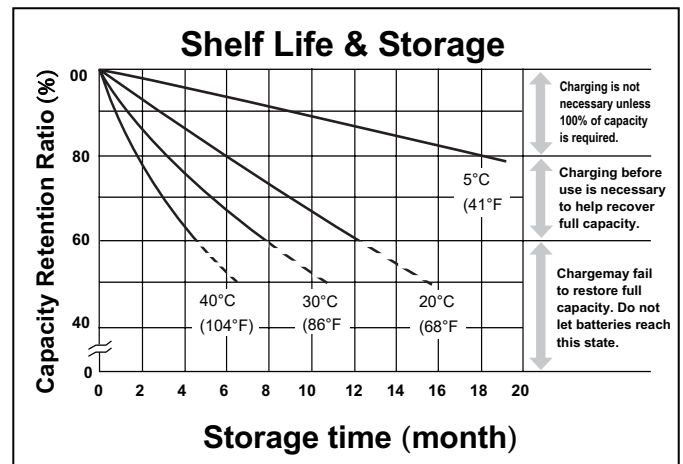
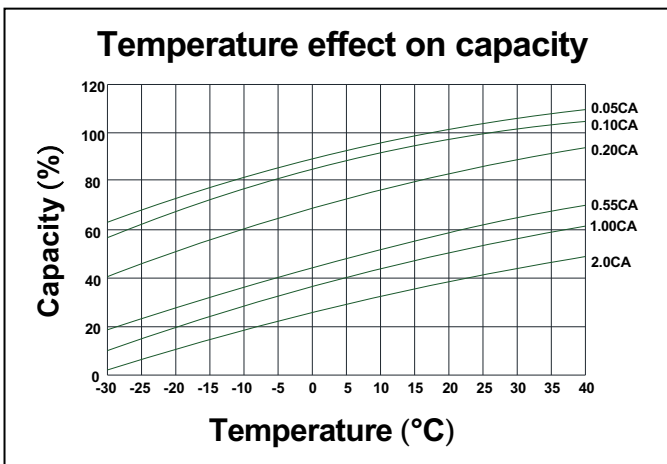
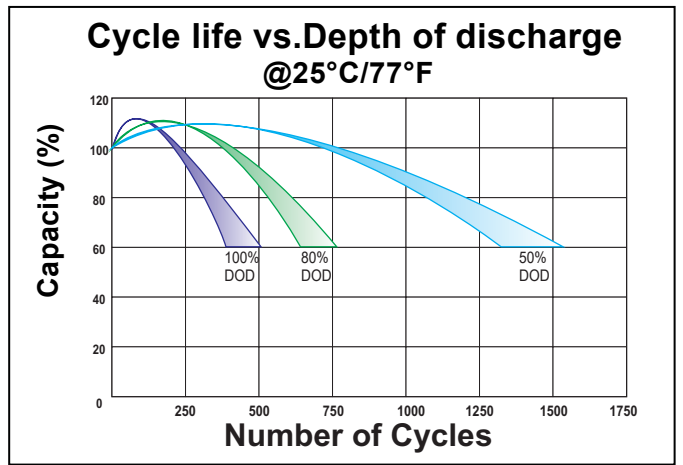
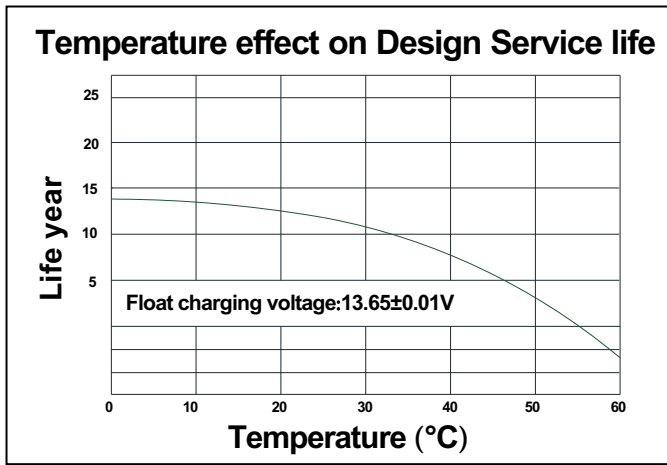
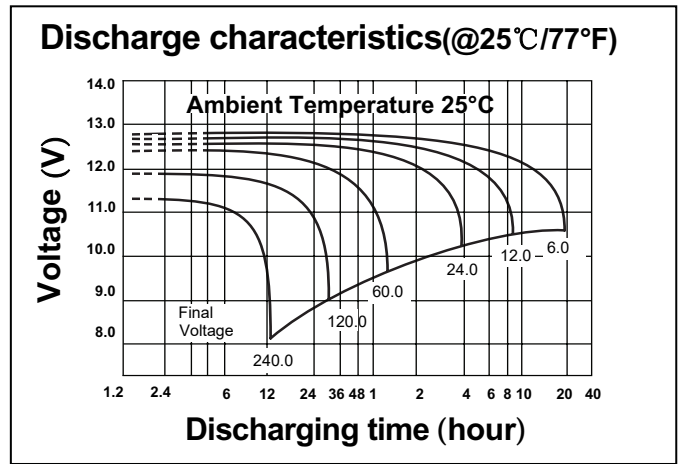
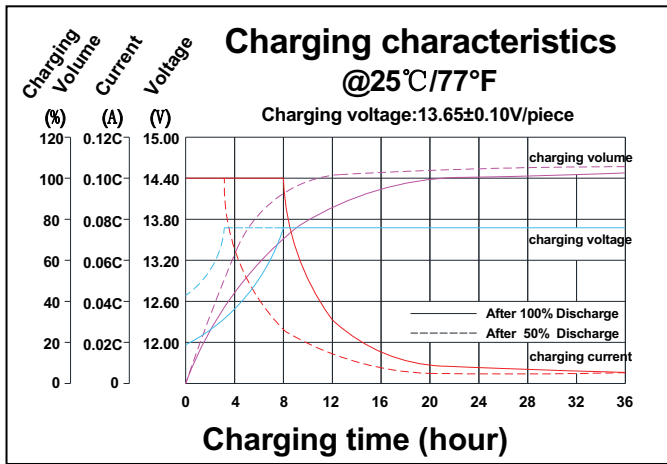
Length	407±1
Width	177±1
Height	225±1
Total Height	225±1
Weight(kg)	35.5±3%



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	204.5	164.2	110.0	67.1	40.1	27.7	22.7	18.6	12.8	10.8	6.60
10.0V	194.6	160.8	109.1	66.8	39.8	27.6	22.6	18.5	12.7	10.7	6.36
10.2V	187.7	158.3	108.4	66.1	39.5	27.4	22.5	18.4	12.6	10.6	6.18
10.5V	175.3	152.5	106.7	65.5	39.2	27.3	22.3	18.2	12.5	10.5	6.00
10.8V	161.7	142.2	103.0	64.0	38.5	26.6	21.8	17.8	12.3	10.4	5.64
11.1V	146.2	129.0	97.4	60.8	36.8	25.4	20.7	17.1	11.8	10.1	5.40