GE150-12 12V150AH

GE SERIES-GEL Battery

Specification

Nominal Voltage	12V
Nominal Capacity(10HR)	150.0AH
Dimension	Length 485±3mm (19.09 inches) Width 170±2mm (6.69 inches) Container Height 240±2mm (9.45 inches) Total Height (with Terminal) 240±2mm (9.45 inches)
Approx Weight	Approx 41.3 Kg (91.0 lbs)
Terminal	T11
Container Material	ABS
Rated Capacity	160.8 AH/8.04A (20hr ,1.80V/cell,25℃/77℉) 150.0 AH/15.0A (10hr,1.80V/cell,25℃/77℉) 131.6 AH/26.3A (5hr,1.75V/cell,25℃/77℉) 119.3 AH/39.8A (3hr,1.75V/cell,25℃/77℉) 96.9 AH/96.9A (1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	1500A (5s)
Internal Resistance	Approx 2.7mΩ
Operating Temp.Range	Discharge : -15～50℃ (5～122℉) Charge : 0～40℃ (32～104℉) Storage : -15～40℃ (5～104℉)
Nominal Operating Temp. Range	25±3℃ (77±5℉)
Cycle Use	Initial Charging Current less than 37.5 A.Voltage 14.4V~15.0V at 25℃(77℉)Temp. Coefficient -30mV/℃
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25℃(77℉)Temp. Coefficient -20mV/℃
Capacity affected by Temperature	40℃ (104℉) 103% 25℃ (77℉) 100% 0℃ (32℉) 86%
Self Discharge	GE series batterys may be stored for up to 9 months at 25℃(77℉) and then a freshening charge is required. For higher temperatures the time interval will be shorter.

Applications

- Telecommunications
- Solar system
- Wind power system
- Engine starting
- Wheelchair
- Floor cleaning machines
- Golf trolley
- Boats

ISO 9001 | ISO 14001 | OHSAS 18001 | TLC | CE | RoHS

Constant Current Discharge (Amperes) at 25 ℃ (77℉)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	114.2	89.6	68.4	57.2	36.3	27.7	22.9	19.8	17.1	15.1	13.6	12.5	11.8	6.48
1.80V/cell	130.8	100.2	75.4	63.2	39.3	29.7	24.3	20.8	17.9	15.8	14.3	13.1	12.3	6.75
1.75V/cell	147.0	110.2	81.5	67.6	41.6	31.3	25.4	21.6	18.6	16.4	14.7	13.5	12.56	6.89
1.70V/cell	158.4	118.0	86.6	71.6	44.1	32.6	26.3	22.3	19.2	16.9	15.2	13.9	12.9	6.97
1.67V/cell	164.8	122.6	89.6	74.3	45.3	33.7	26.9	22.7	19.5	17.2	15.4	14.0	13.0	7.04
1.60V/cell	178.6	131.2	96.3	78.8	47.1	35.0	27.9	23.4	20.0	17.6	15.7	14.3	13.3	7.14

Constant Power Discharge (Watts) at 25 ℃ (77℉)

F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	218.6	172.7	132.6	111.4	71.0	54.2	45.1	39.1	33.8	30.0	27.1	24.8	23.5	12.9
1.80V/cell	247.1	191.2	145.2	122.4	76.4	57.9	47.6	40.9	35.4	31.3	28.4	26.0	24.5	13.5
1.75V/cell	274.6	208.4	155.8	130.3	80.8	61.0	49.7	42.4	36.5	32.4	29.2	26.8	25.0	13.7
1.70V/cell	292.6	221.2	164.2	137.1	85.2	63.4	51.2	43.6	37.7	33.4	30.0	27.5	25.5	13.9
1.67V/cell	301.2	227.5	168.9	141.4	87.0	65.1	52.3	44.3	38.2	33.8	30.4	27.8	25.8	14.0
1.60V/cell	322.7	241.2	180.1	149.4	90.0	67.4	54.1	45.6	39.0	34.4	30.89	28.32	26.25	14.2

Note The above data are average values, and can be obtained with 3 charge/discharge cycles. These are not minimum values.

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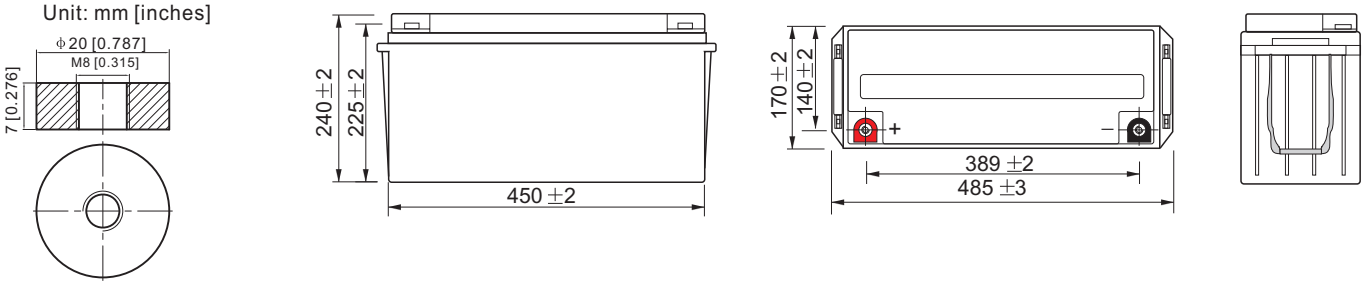
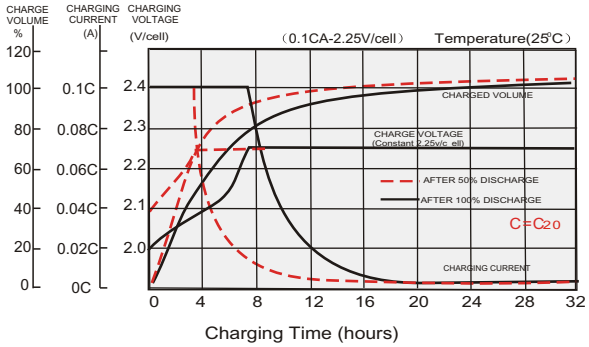
Dimensions

■ T11 Terminal

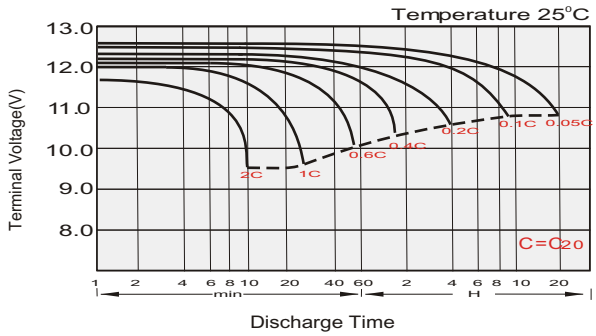
Unit: mm [inches]



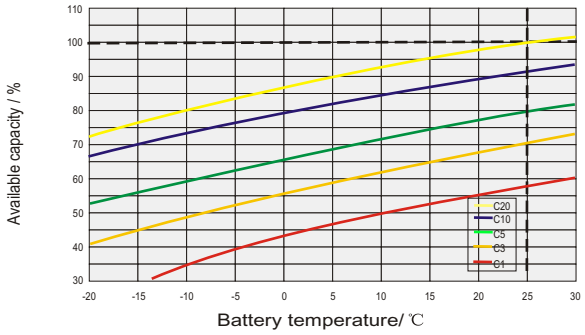
Float Charging Characteristics



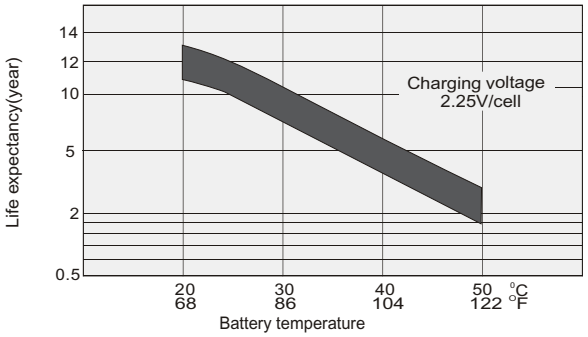
Discharge Characteristics



Temperature Effects in Relation to Battery Capacity

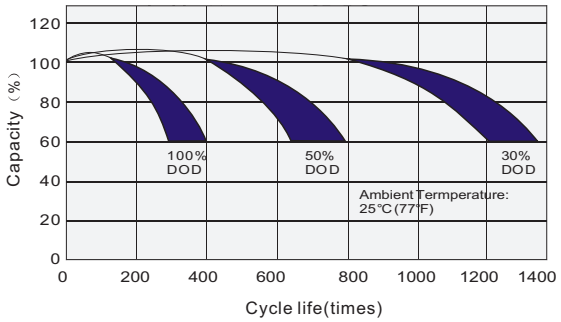


Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge

Testing condition
Discharging:current 0.17C (FV 1.7V/cell);
Charging:current 0.25C max, voltage 2.45V/cell;
Charging volume:125% of discharged capacity.



General Relation of Capacity VS. Storage Time