GL 12170M5

12V 17AH

Specification

Nomial Voltage	12V
Nomial Capacity(20HR)	17.0AH
Dimension	Length 181 1mm (7.14 inches) Width 77 1mm (3.03 inches) Container Height 167 1mm (6.59 inches) Total Height (with Terminal) 167 1mm (6.59 inches)
Approx Weight	Approx 5.35 Kg (11.77 lbs)
Terminal	T3
Container Material	ABS
Rated Capacity	17.0 AH/0.85A (20hr ,1.80V/cell,25℃/77℉) 15.5 AH/1.55A (10hr,1.80V/cell,25℃/77℉) 13.6 A H/2.72A (5hr,1.75V/cell,25℃/77℉) 11.8 AH/3.94A (3hr,1.75V/cell,25℃/77℉) 9.35 AH/9.35A (1hr,1.60V/cell,25℃/77℉)
Max. Discharge Current	204A (5s)
Internal Resistance	Approx 18 mΩ
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 4.25 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	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

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

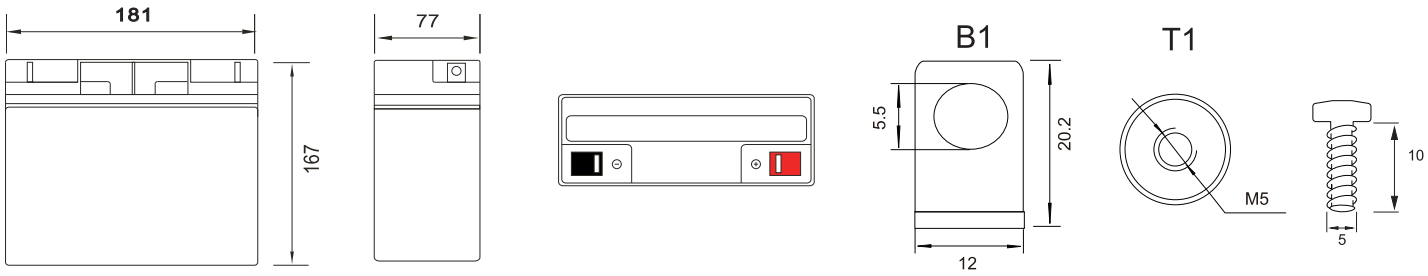
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	14.4	11.3	8.61	7.21	4.57	3.49	2.89	2.49	2.15	1.90	1.72	1.57	1.48	0.82
1.80V/cell	16.5	12.6	9.50	7.96	4.95	3.73	3.06	2.62	2.26	1.99	1.80	1.65	1.55	0.85
1.75V/cell	18.5	13.9	10.3	8.52	5.24	3.94	3.20	2.72	2.34	2.06	1.86	1.70	1.58	0.87
1.70V/cell	19.9	14.9	10.9	9.01	5.56	4.11	3.31	2.81	2.42	2.13	1.91	1.75	1.62	0.88
1.67V/cell	20.8	15.4	11.3	9.35	5.70	4.24	3.39	2.86	2.46	2.16	1.94	1.77	1.64	0.89
1.60V/cell	22.5	16.5	12.1	9.93	5.93	4.41	3.52	2.95	2.52	2.21	1.98	1.81	1.67	0.90

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

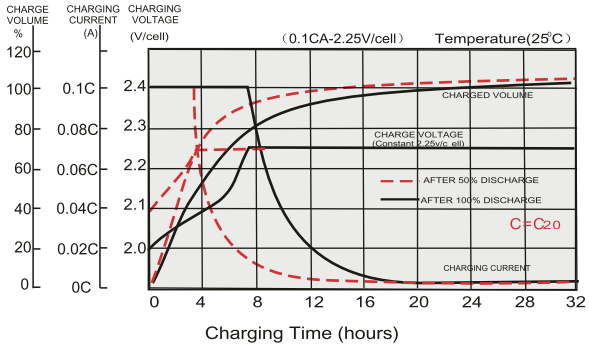
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	27.5	21.8	16.7	14.0	8.94	6.83	5.68	4.92	4.26	3.78	3.42	3.13	2.96	1.63
1.80V/cell	31.1	24.1	18.3	15.4	9.63	7.29	5.99	5.15	4.46	3.95	3.57	3.28	3.09	1.69
1.75V/cell	34.6	26.2	19.6	16.4	10.2	7.68	6.26	5.33	4.60	4.07	3.68	3.37	3.14	1.73
1.70V/cell	36.9	27.9	20.7	17.3	10.7	7.98	6.45	5.48	4.75	4.20	3.78	3.46	3.21	1.75
1.67V/cell	37.9	28.6	21.3	17.8	11.0	8.20	6.59	5.58	4.82	4.25	3.83	3.50	3.25	1.76
1.60V/cell	40.6	30.4	22.7	18.8	11.3	8.49	6.81	5.74	4.92	4.33	3.89	3.57	3.31	1.78

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

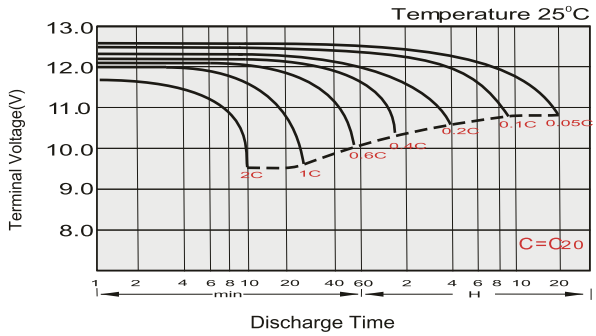
Dimensions



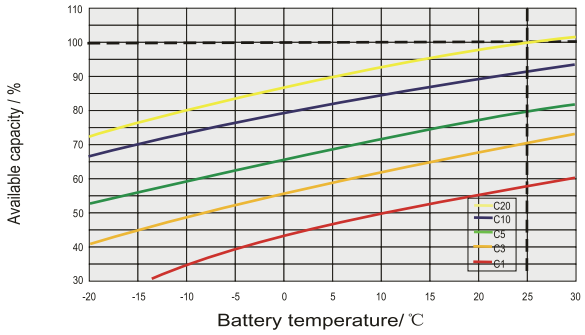
Float Charging Characteristics



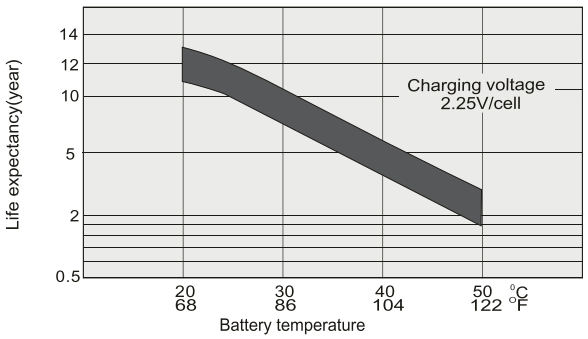
Discharge Characteristics



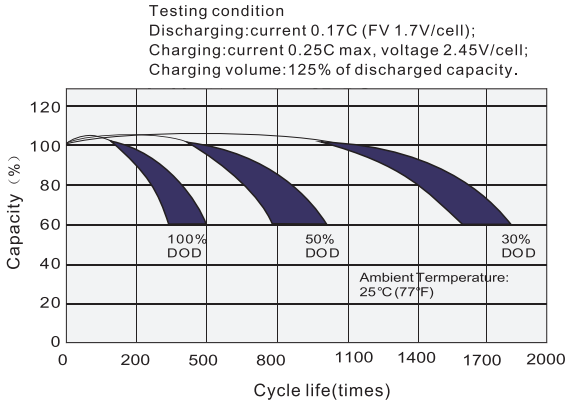
Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



General Relation of Capacity VS. Storage Time