

Drypower Gel

DEEP CYCLE GEL TYPE SEALED LEAD ACID BATTERY

12GB17C (12V 17Ah)

SPECIFICATIONS

Nominal Voltage (V) 12V

Nominal Capacity

20 hour rate (0.85A to 10.50V)	17Ah
5 hour rate (2.89A to 10.20V)	14.45Ah
1 hour rate (9.35A to 9.60V)	9.35Ah
1C (17A to 9.60V)	9.07Ah

Weight Approx. 6.28kg (13.82lbs)

Internal Resistance (@1kHz) Approx. 10mΩ

Maximum Discharge Current

For 5 seconds 255A

Charging Methods @25°C (77°F)

Cycle Use:

Charging Voltage 13.80V to 14.40V
Coefficient -5.0mV/°C/Cell
Maximum Charging Current 5.1A

Standby Use:

Float Charging Voltage 13.50V to 13.80V
Coefficient -3.0mV/°C/Cell

Operating Temperature Range

Charge	-15°C (5°F) to +40°C (104°F)
Discharge	-15°C (5°F) to +50°C (122°F)
Storage	-15°C (5°F) to +40°C (104°F)

Charge Retention (Shelf Life) @20°C (68°F)

1 month	92%
3 months	90%
6 months	80%

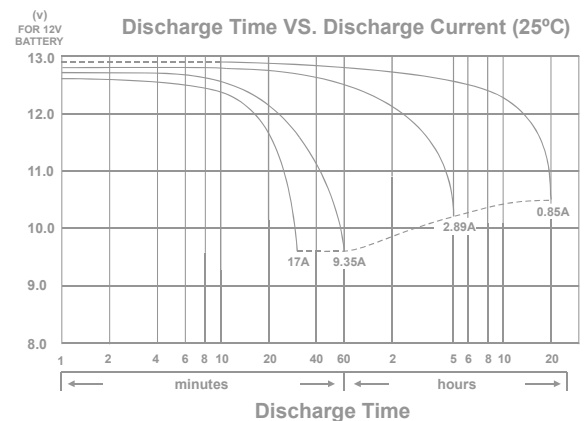
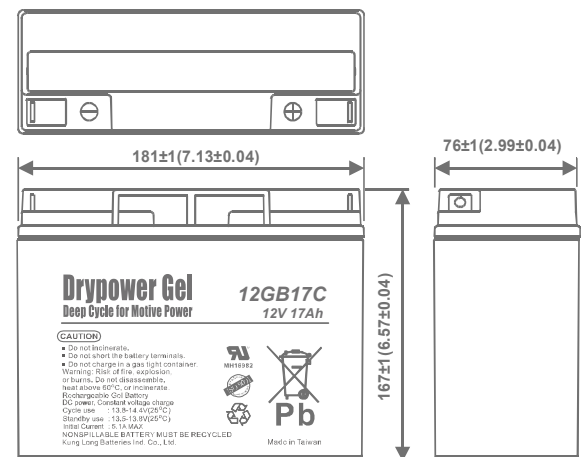
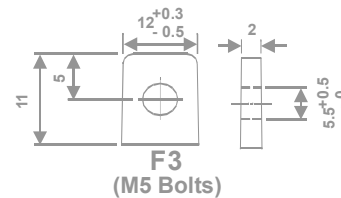
Case Material ABS

Terminal F3

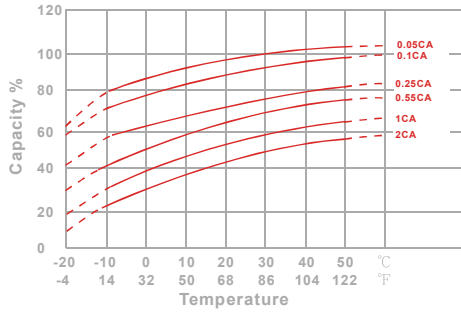


DIMENSIONS

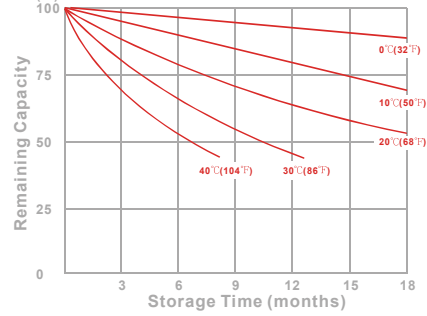
mm (inch)



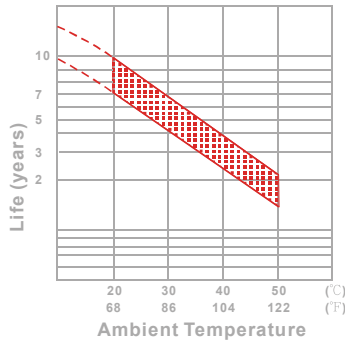
Effect of Temperature on Capacity 25°C (77°F)



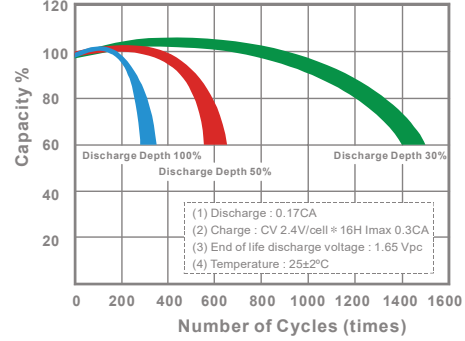
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25°C (77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	543	638	701	739	749	761	771
10	min	382	436	476	501	507	515	522
15	min	328	366	391	407	411	416	420
30	min	179	192	207	215	218	220	223
60	min	115	120	125	129	130	132	133
120	min	66.9	69.9	71.6	74.0	74.6	75.2	76.1
180	min	50.3	52.3	53.7	54.8	55.2	55.7	56.2
240	min	40.0	41.7	42.8	43.7	43.9	44.3	44.8
300	min	35.0	36.4	37.0	37.6	37.8	38.1	38.5
600	min	20.9	21.6	22.1	22.4	22.5	22.8	22.9
1200	min	10.8	11.2	11.5	11.7	11.8	11.9	11.9

- Discharge Rates in Amperes to Various End Voltages at 25°C (77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	60.3	65.4	68.7	71.6	72.7	74.0	76.1
10	min	36.5	39.4	41.7	43.7	44.5	45.4	46.9
15	min	28.7	31.0	32.5	33.8	34.3	34.9	35.7
30	min	15.8	17.2	18.2	19.0	19.3	19.6	20.1
60	min	9.59	10.2	10.6	11.0	11.1	11.3	11.5
120	min	5.71	5.92	6.05	6.17	6.20	6.25	6.32
180	min	4.17	4.33	4.43	4.50	4.53	4.57	4.63
240	min	3.40	3.49	3.56	3.61	3.63	3.66	3.69
300	min	2.96	3.03	3.08	3.12	3.13	3.15	3.17
600	min	1.72	1.77	1.81	1.84	1.85	1.86	1.87
1200	min	0.920	0.939	0.954	0.964	0.967	0.971	0.975

All data on the spec. sheet is an average value:

The tolerance range : $X < 6\text{min} (+15\% \sim -15\%)$, $6\text{min} \leq X < 10\text{min} (+12\% \sim -12\%)$, $10\text{min} \leq X < 60\text{min} (+8\% \sim -8\%)$, $X \geq 60\text{min} (+5\% \sim -5\%)$

Performance may vary depending on application. All specifications are correct at time of creation. All specifications and operation conditions contained in this datasheet are subject to change or improvement without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.