

# Drypower Gel

## Deep Cycle for Motive Power

# GEL BATTERIES

## 12GB17C 12Volt 17Ah

### Specifications

Nominal Voltage(V) **12V**

#### Nominal Capacity

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

Weight **Approx. 6.28kg(13.82Lbs.)**

Internal Resistance (at 1KHz) **Approx. 10 mΩ**

#### Maximum Discharge Current for

5 seconds: **255A**

#### Charging Methods at 25°C(77°F)

##### Cycle use:

Charging Voltage **13.8 to 14.4V**

Coefficient **-5.0mv/°C/cell**

Maximum Charging Current : **5.1A**

##### Standby use:

Float Charging Voltage **13.50 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) at 20°C(68°F)

1 month **92%**

3 month **90%**

6 month **80%**

Case Material **ABS**

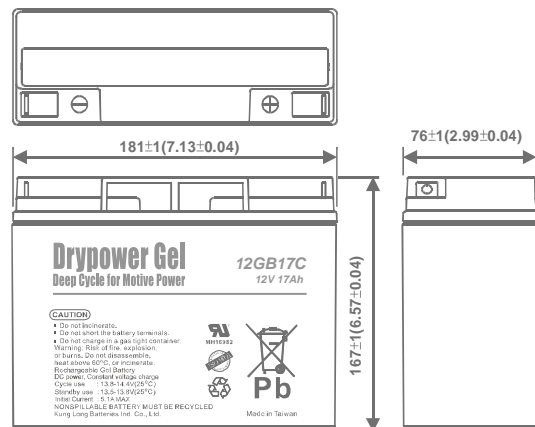
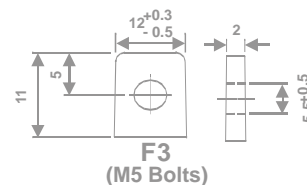
(Option:UL94 HB & UL94 V-0 flame retardant )

Terminal **F3**

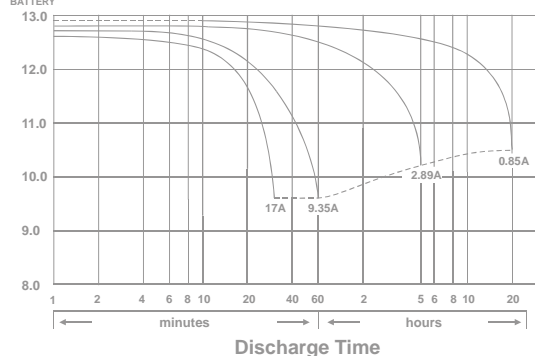


### Dimensions

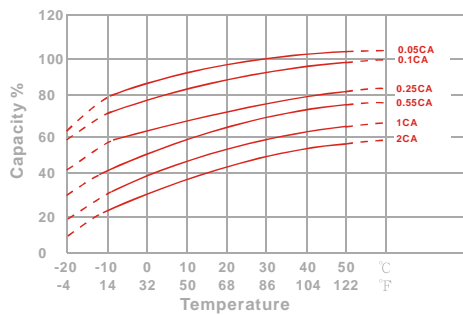
mm(inch)



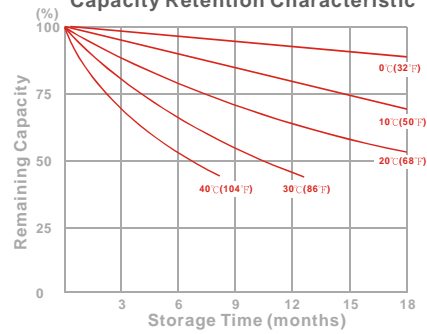
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



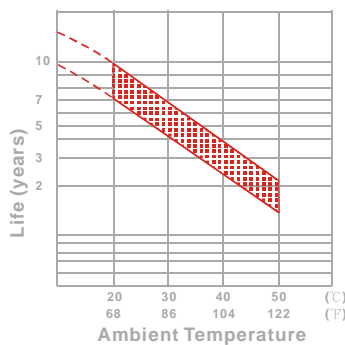
**Effect of Temperature on Capacity 25°C (77°F)**



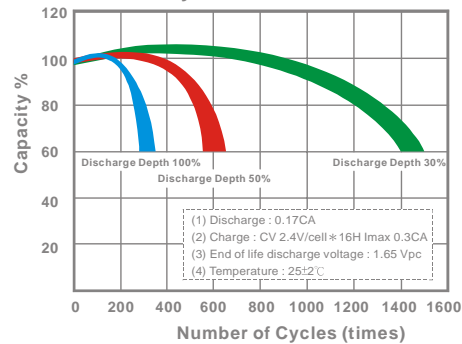
**Capacity Retention Characteristic**



**Trickle (or float) Service Life**



**Cycle Service Life**



**- PERFORMANCE DATA**

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
<b>Time</b>								
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)**

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
<b>Time</b>								
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%~-15%),  $6\text{min} \leq X < 10\text{min}$  (+12%~-12%),  $10\text{min} \leq X < 60\text{min}$  (+8%~-8%),  $X \geq 60\text{min}$  (+5%~-5%)