

Drypower Gel

DEEP CYCLE GEL TYPE SEALED LEAD ACID BATTERY

12GB12C (12V 12Ah)

SPECIFICATIONS

Nominal Voltage (V) 12V

Nominal Capacity

20 hour rate (0.60A to 10.50V)	12Ah
5 hour rate (2.04A to 10.20V)	10.2Ah
1 hour rate (6.6A to 9.60V)	6.6Ah
1C (12A to 9.60V)	6.4Ah

Weight Approx. 4.03kg (8.87lbs)

Internal Resistance (@1kHz) Approx. 13mΩ

Maximum Discharge Current

For 5 seconds 180A

Charging Methods @25°C (77°F)

Cycle Use:

Charging Voltage	13.80V to 14.40V
Coefficient -5.0mV/°C/Cell	
Maximum Charging Current	3.6A

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%

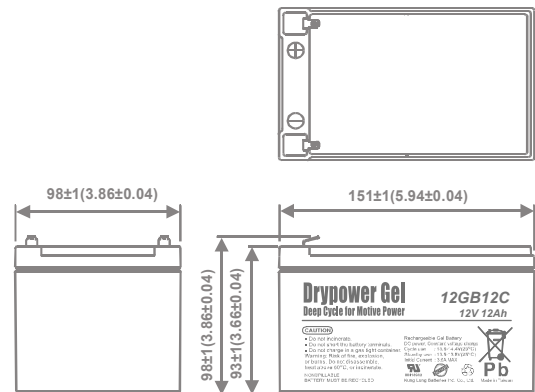
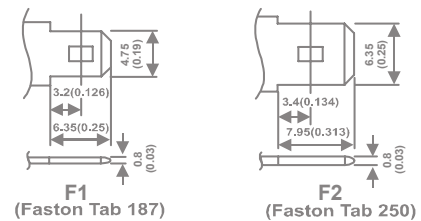
Case Material ABS

Terminal F1 or F2 (Faston Tab 187 or 250)

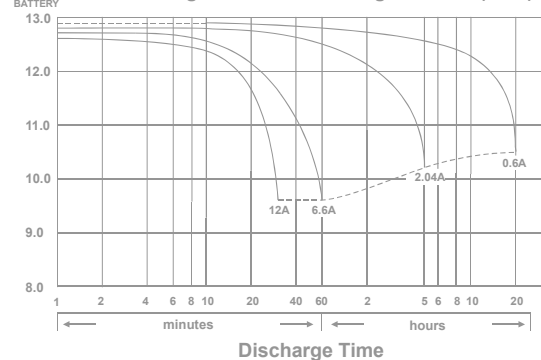


DIMENSIONS

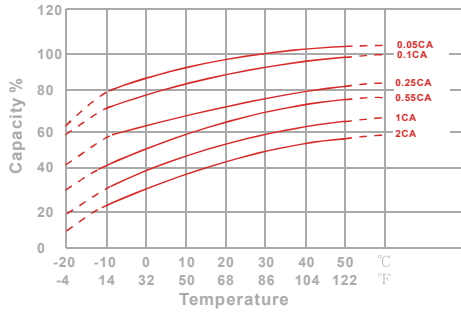
mm (inch)



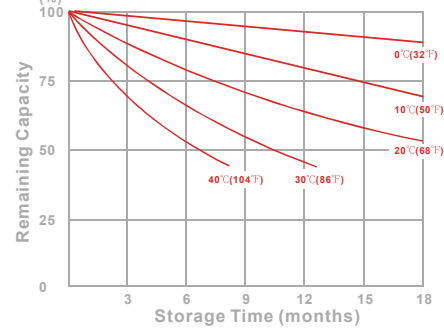
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



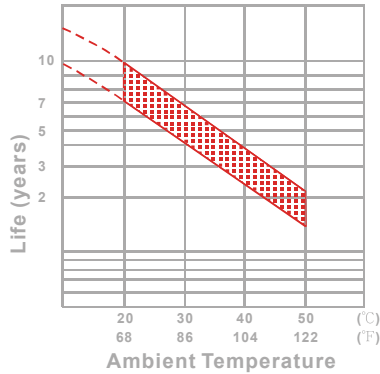
Effect of Temperature on Capacity 25°C (77°F)



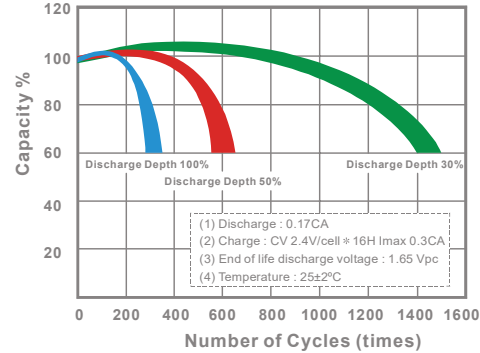
Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life



- PERFORMANCE DATA

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

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	367	416	446	468	479	490	509
10	min	243	278	302	320	329	332	341
15	min	167	205	229	248	253	259	265
30	min	101	118	131	140	143	146	149
60	min	78.4	84.5	87.7	89.6	90.4	91.1	92.0
120	min	45.5	48.2	49.9	51.4	51.9	52.5	53.2
180	min	31.5	33.6	35.1	36.3	36.7	37.2	37.7
240	min	26.2	27.7	28.9	29.8	30.2	30.6	31.1
300	min	23.3	24.2	24.9	25.6	25.9	26.2	26.6
600	min	13.4	13.9	14.3	14.7	14.8	15.0	15.2
1200	min	6.79	7.06	7.29	7.59	7.68	7.77	7.94

- 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	32.6	38.4	42.1	45.1	46.4	47.7	50.3
10	min	20.9	24.3	26.6	28.5	29.1	29.6	30.4
15	min	18.2	19.6	20.8	21.7	22.0	22.3	22.9
30	min	10.9	11.7	12.1	12.5	12.6	12.8	13.0
60	min	7.02	7.53	7.76	7.97	8.05	8.12	8.21
120	min	3.63	3.92	4.10	4.25	4.31	4.36	4.42
180	min	2.57	2.78	2.94	3.05	3.09	3.13	3.18
240	min	2.09	2.27	2.39	2.46	2.49	2.52	2.56
300	min	1.92	2.00	2.06	2.11	2.13	2.16	2.20
600	min	1.09	1.14	1.18	1.21	1.22	1.24	1.26
1200	min	0.574	0.598	0.621	0.636	0.642	0.649	0.650

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%)

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.