

# Drypower Gel

HYBRID GEL TYPE  
**DEEP CYCLE POWER**



**12V**

**7Ah**

**SLA**

**GEL**  
Deep Cycle

## 12GB7C

Rechargeable Hybrid Gel Lead Acid Battery

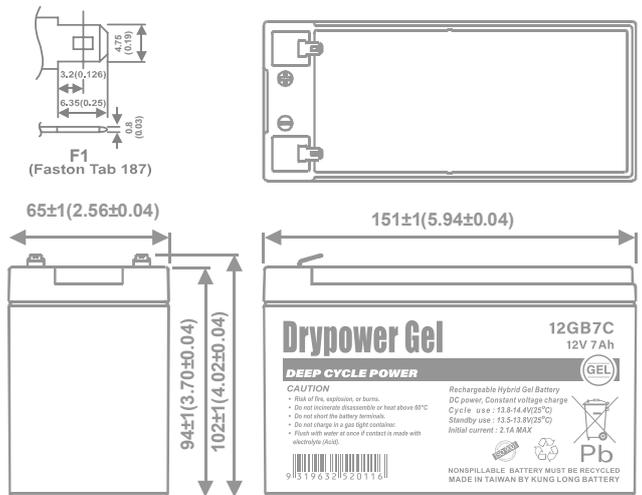
### SPECIFICATIONS

|   |   |  |
|---|---|--|
| <b>Nominal Voltage</b>  | 12V   |  |
| <b>Nominal Capacity</b>   | 7Ah   |  |
| <b>20 hour rate</b> (0.35A to 10.50V)   | 7Ah   |  |
| <b>5 hour rate</b> (1.19A to 10.20V)  | 5.95Ah  |  |
| <b>1 hour rate</b> (3.85A to 9.60V)   | 3.85Ah  |  |
| <b>1C</b> (7A to 9.60V)   | 3.73Ah  |  |
| <b>Weight</b>   | Approx. 2.45kg  |  |
| <b>Internal Resistance</b> (at 1KHz)  | Approx. 20mΩ  |  |
| <b>Maximum Discharge Current</b> (5 secs)                                     | 105A  |  |
| <b>Charge Methods at 25°C</b>   |   |  |
| <b>Cycle Use</b>  |   |  |
| Charging Voltage  | 13.8V to 14.4V  |  |
| Coefficient -5.0mV/°C/Cell  |   |  |
| <b>Maximum Charging Current</b>   | 2.1A  |  |
| <b>Standby Use</b>  |   |  |
| Float Charging Voltage  | 13.5V to 13.8V  |  |
| Coefficient -3.0mV/°C/Cell  |   |  |
| <b>Operating Temperature Range</b>  |   |  |
| <b>Charge</b>   | -15°C to 40°C   |  |
| <b>Discharge</b>  | -15°C to 50°C   |  |
| <b>Storage</b>  | -15°C to 40°C   |  |
| <b>Charge Retention (Shelf Life) at 20°C</b>                                  |   |  |
| <b>1 month</b>  | 92%   |  |
| <b>3 months</b>   | 90%   |  |
| <b>6 months</b>   | 80%   |  |
| <b>Case Material</b>  | ABS UL94 HB   |  |
| <b>Termination</b>  | F1 (Faston Tab 187)   |  |
| <b>Design Life</b>  | 7-10 years  |  |
| <b>Classified as a non-spillable battery. Approved for transportation by:</b> |   |  |
| • Air (IATA/ICAO provision A67)   |   |  |
| • Road  |   |  |
| • Sea (per IMDG Special Provision 238)  |   |  |
| <b>Barcode</b>  | <br><br>9319632520116 |  |

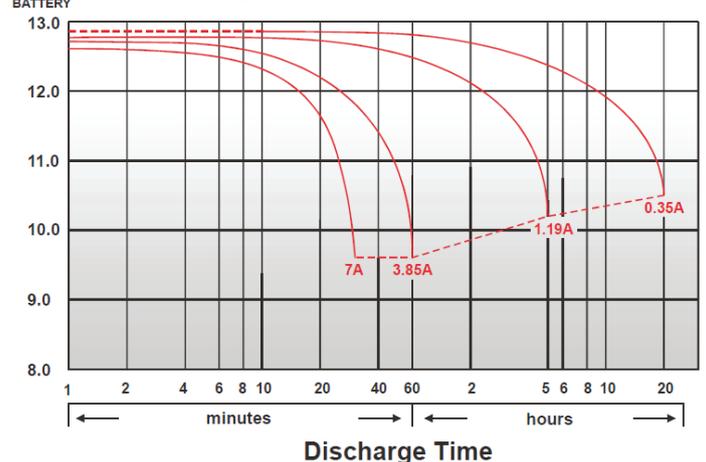


### DIMENSIONS

mm (inch)

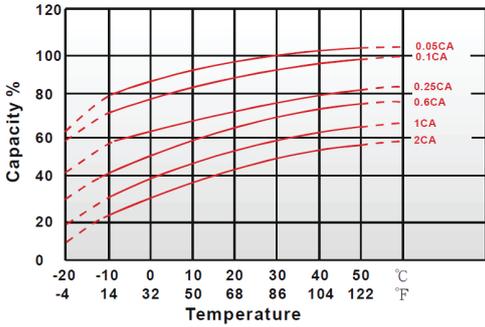


(v) FOR 12V BATTERY **Discharge Time VS. Discharge Current (25°C)**

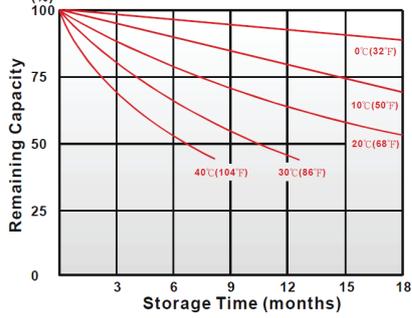


## CHARACTERISTICS CHARTS

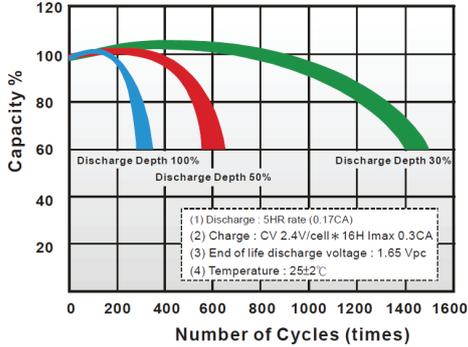
Effect of Temperature on Capacity 25°C (77°F)



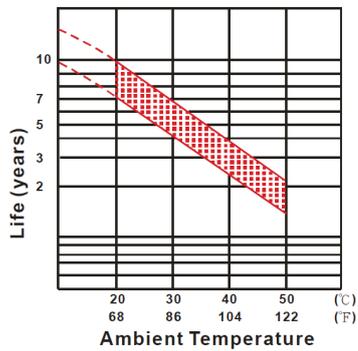
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



## FEATURES & BENEFITS

- ◆ Industry leading 99.99% pure lead content for superior service life and dependable performance.
- ◆ Gel compound contains more electrolyte that is more evenly distributed across the battery, producing stable output throughout its service life, minimising sulphation and significantly improving standby life.
- ◆ Low internal resistance for optimum charge and discharge efficiency.
- ◆ Maintenance free technology and non-spillable design.
- ◆ Better suited for more extreme operating temperatures.
- ◆ Manufactured by Kung Long Battery (KLB) at facilities in Taiwan and Vietnam. KLB is a leading manufacturer and complies with relevant international quality standards including ISO9001, CE ETL9000, UL1989, OHSAS18001 and ISO17025. KLB supports Green Sustainable supply chain practices.



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.