Drypower Gel

HYBRID GEL TYPE
DEEP CYCLE POWER

12V | 12Ah | SLA | GEL Deep Cycle

12GB12C

Rechargeable Hybrid Gel Lead Acid Battery

SPECIFICATIONS

Nominal Voltage		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
Internal Resistance (at 1KHz)		Approx. 13mΩ
Maximum Discharge Current (5 secs)		180A
Charge Methods at 25°C		
Cycle Use		
Charging Voltage		13.8V to 14.4V
Coefficient -5.0mV/°C/Cell		
Maximum Charging Current		3.6A
Standby Use		
Float Charging Voltage		13.5V to 13.8V
Coefficient -3.0mV/°C/Cell		
Operating Temperature Range		
Charge		–15°C to 40°C
Discharge		–15°C to 50°C
Storage		–15°C to 40°C
Charge Retention (Shelf Life) at 20°C		
1 month		92%
3 months		90%
6 months		80%
Case Material		ABS UL94 HB
Termination		F2 (Faston Tab 250)

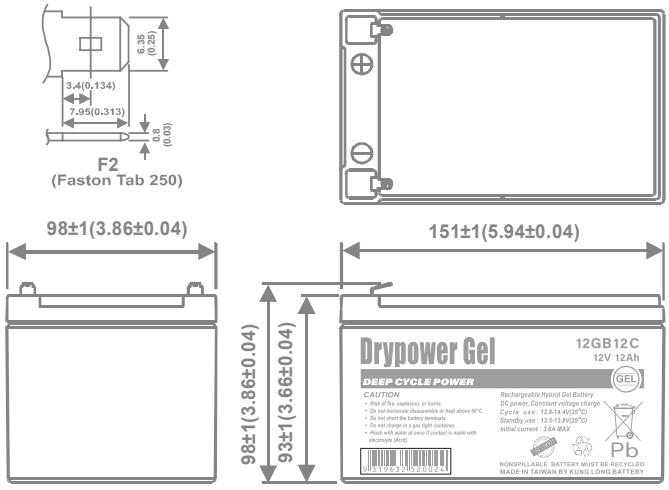
Classified as a non-spillable battery.
Approved for transportation by:
- Air (IATA/ICAO provision A67)
- Road
- Sea (per IMDG Special Provision 238)

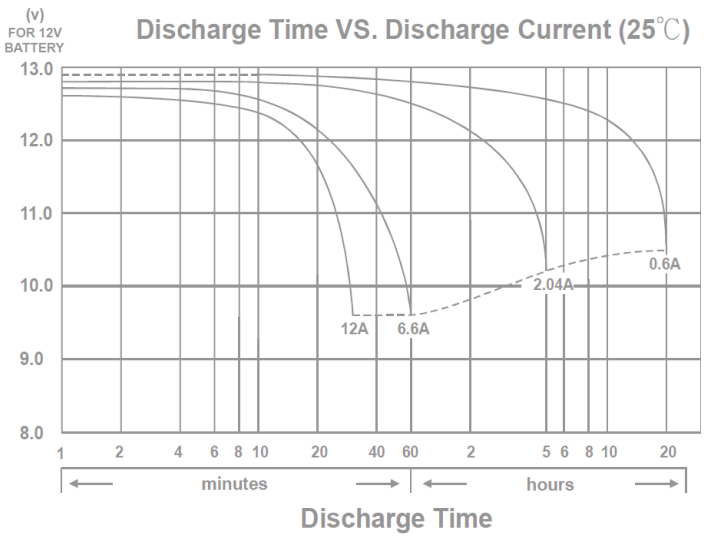
IATA

Barcode

9319632520024

DIMENSIONS mm (inch)





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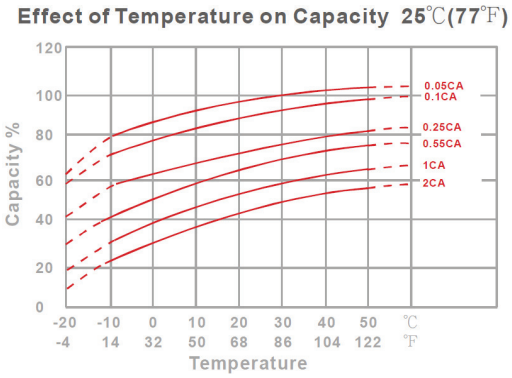
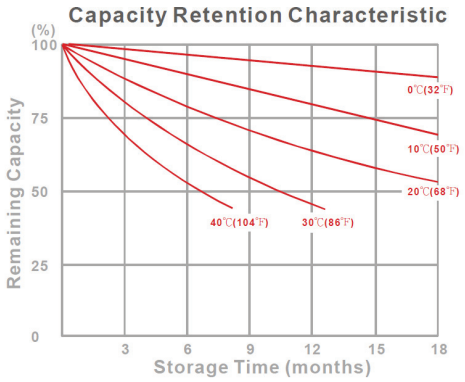
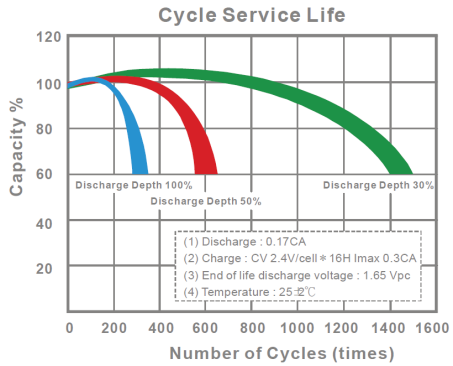
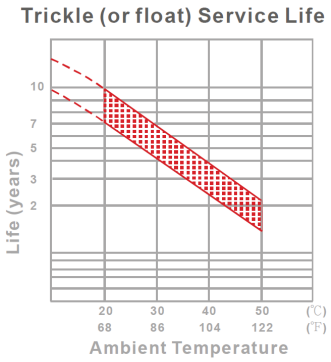
12GB12C (12V 12Ah)

CHARACTERISTICS CHARTS









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 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
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	25.90	26.2	26.6
600	min	13.4	13.9	14.3	14.7	14.80	15	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	22.3	22.9
30	min	10.9	11.7	12.1	12.5	12.6	12.8	13
60	min	7.02	7.53	7.76	7.97	8.05	8.12	8.21
120	min	3.63	3.92	4.1	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	2.06	2.11	2.13	2.16	2.2
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	0.65

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

The tolerance range : X < 6min (+15%~–15%), 6min ≤ X < 10min (+12%~–12%), 10min ≤ X < 60min (+8%~–8%), X ≥ 60min (+5%~–5%)

Aug2020