Drypower Gel

PURE GEL TYPE
PURE GEL HIGH POWER

12V | **212Ah** | **SLA** | **GEL** Deep Cycle

12PLG215TS

Rechargeable Pure Gel Lead Acid Battery

SPECIFICATIONS

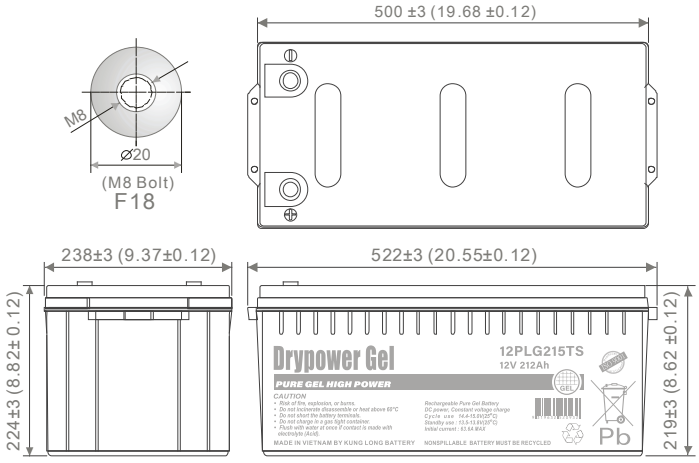
Nominal Voltage		12V
Nominal Capacity		
20 hour rate	(10.6A to 10.50V)	212Ah
10 hour rate	(20A to 10.80V)	200Ah
5 hour rate	(34A to 10.80V)	170Ah
3 hour rate	(50A to 10.80V)	150Ah
1 hour rate	(110A to 10.80V)	110Ah
Weight		Approx. 64kg
Internal Resistance (at 1KHz)		Approx. 3.5mΩ
Maximum Discharge Current (5 secs)		1600A
Charge Methods at 25°C		
Cycle Use Charging Voltage Coefficient -5.0mV/°C/Cell		14.4V to 15.0V
Maximum Charging Current		60A
Standby Use Float Charging Voltage Coefficient -3.0mV/°C/Cell		13.5V to 13.8V
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		98%
3 months		94%
6 months		85%
Case Material		ABS UL94 HB
Termination		F18 (M8 Bolt)
Description of Torque Value of Hardware for the Terminals		
Recommended Torque Value		M8: 12 N-m (122kgf-cm)
Max. Allowable Torque Value		M8: 15 N-m (153kgf-cm)
Design Life		12 years

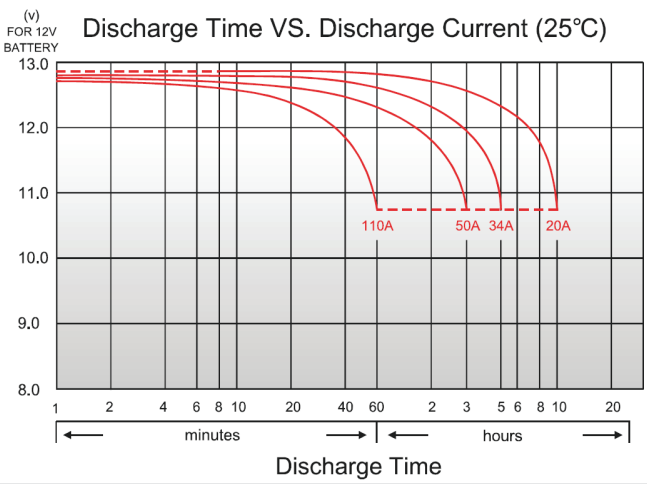
Classified as a non-spillable battery.
Approved for transportation by:
- Air (IATA/ICAO provision A67)
- Road
- Sea (per IMDG Special Provision 238)

IATA

Barcode 9319632520932

DIMENSIONS mm (inch)





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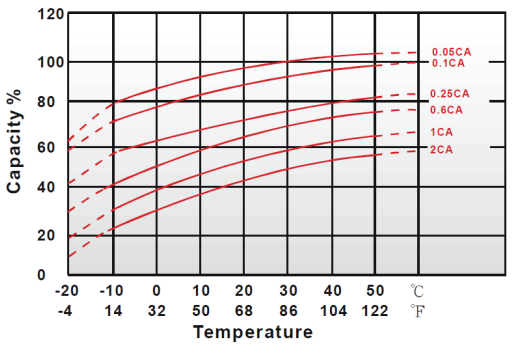
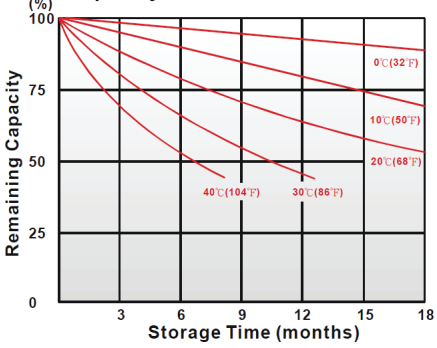
12PLG215TS (12V 212Ah)

CHARACTERISTICS CHARTS

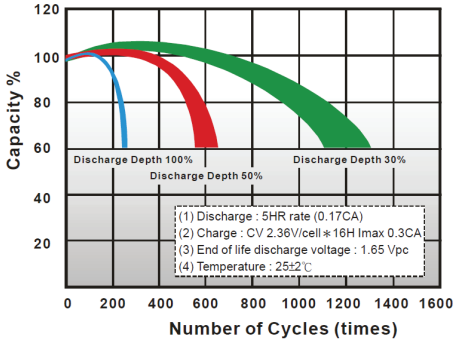
Effect of Temperature on Capacity 25℃(77℉)



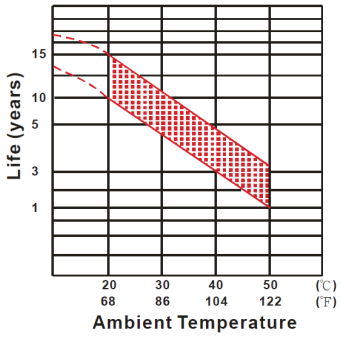
Capacity Retention Characteristic



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 DATA

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

Time \ End Voltage		1.85V	1.75V	1.70V	1.65V	1.60V
10	min	604	641	666	693	712
15	min	519	548	568	589	604
30	min	334	347	355	367	374
60	min	215	222	226	232	236
120	min	133	137	139	140	141
180	min	95	98	98.7	99.3	100
240	min	78	80.3	81	81.5	82
300	min	66.8	69	69.5	69.8	70.3
600	min	39.8	40	40.3	40.5	40.5
1200	min	21	21.2	21.3	21.3	21.3

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

Time \ End Voltage		1.85V	1.75V	1.70V	1.65V	1.60V
10	min	334	354	367	383	393
15	min	284	300	210	322	330
30	min	179	185	190	196	200
60	min	113	117	119	122	124
120	min	69.1	70.9	72	72.6	73.1
180	min	48.5	50	50.4	50.7	51
240	min	39.8	41	41.3	41.6	41.8
300	min	34.00	35	35.2	35.5	35.7
600	min	20	20.1	20.3	20.3	20.4
1200	min	10.5	10.6	10.6	10.7	10.7

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