Drypower

LONG LIFE RANGE

STANDBY LONG LIFE POWER

12V | 28Ah | SLA | AGM

12SB28TLP

Rechargeable AGM Sealed Lead Acid Battery

SPECIFICATIONS

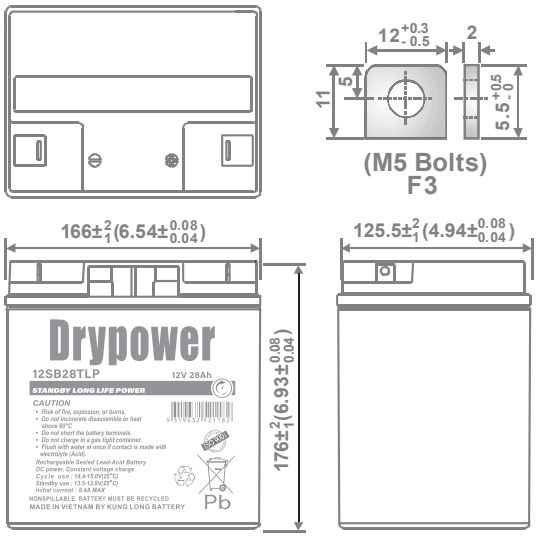
Nominal Voltage		12V
Nominal Capacity		
20 hour rate	(1.40A to 10.50V)	28Ah
10 hour rate	(2.66A to 10.50V)	26.6Ah
5 hour rate	(4.76A to 10.20V)	23.8Ah
1C	(28A to 9.60V)	17.73Ah
3C	(84A to 9.60V)	11.2Ah
Weight		Approx. 9.18kg
Internal Resistance (at 1KHz)		Approx. 9.4mΩ
Maximum Discharge Current (5 secs)		420A
Charge Methods at 25°C		
Standby Use Float Charging Voltage Coefficient -3.0mV/°C/Cell		13.5V to 13.8V
Maximum Charging Current		8.4A
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		F3 (M5 Bolt & Nut)
Description of Torque Value of Hardware for the Terminals		
Recommended Torque Value Max. Allowable Torque Value		N/A
Design Life Expected Trickle Design Life		6-9 years at 20°C

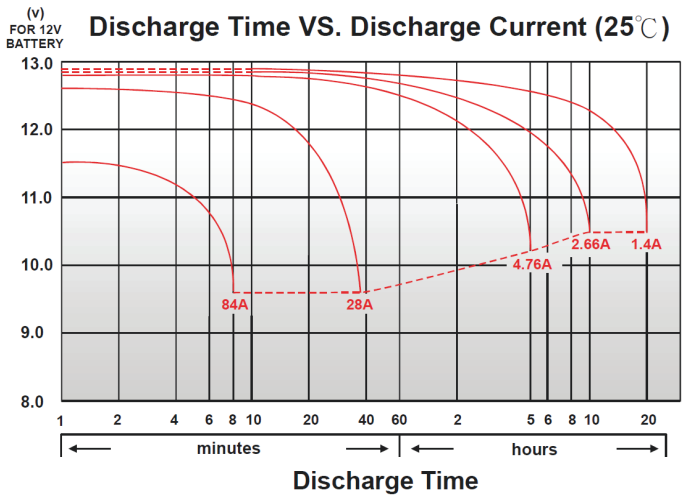
Classified as a non-spillable battery.
Approved for transportation by:
- Air (IATA/ICAO provision A67)
- Road
- Sea (per IMDG Special Provision 238)

IATA

Barcode	9319632521182

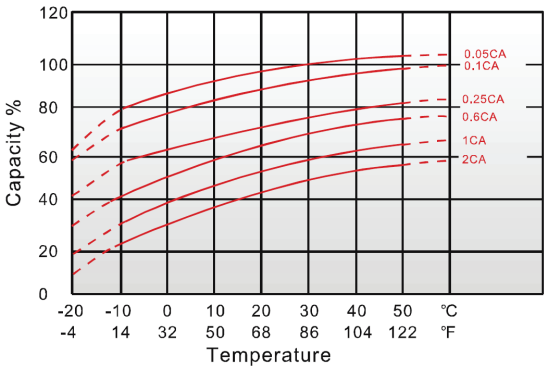
DIMENSIONS mm (inch)



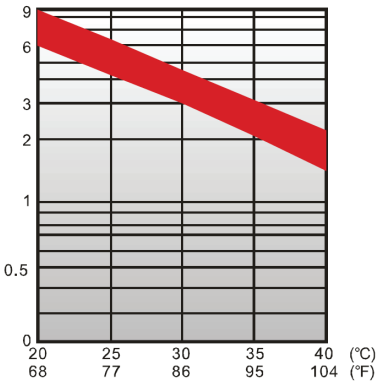


CHARACTERISTICS CHARTS

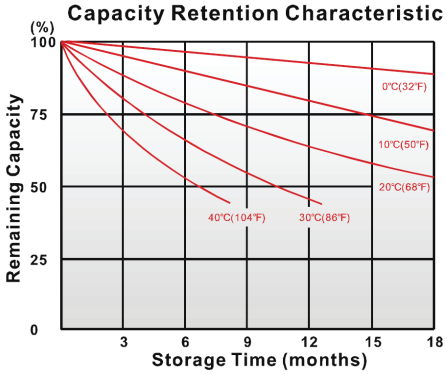
Effect of Temperature on Capacity 25℃(77℉)



Trickle (or float) Service Life



Capacity Retention Characteristic



FEATURES & BENEFITS

- Industry leading 99.99% pure lead content for superior service life and dependable performance.
- Long service life to reduce maintenance and logistical costs across telecom, utilities and off-grid applications.
- Minimises sulphation with a thicker plate design and higher percentage of tin content to maximise battery standby life.
- High rate discharge capable to ensure reliable performance.
- Maintenance free technology and non-spillable design.
- 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
5	min	153	164	172	183	194
10	min	131	133	138	144	146
15	min	103	105	108	110	112
20	min	89.8	91	94.7	96.7	97.7
30	min	62.4	64.4	66.3	67.4	98.5
45	min	42.7	47.4	43.2	49.2	50.9
60	min	36.8	41.4	42	42.5	43.5
90	min	25	25.9	26	26.2	26.7
120	min	19.8	21.1	21.3	21.5	21.7
180	min	14.2	14.8	15	15.3	15.5
240	min	11.9	12.1	12.2	12.3	12.5
300	min	10.1	10.2	10.3	10.4	10.6
480	min	6.8	7.2	7.28	7.53	7.68
600	min	5.31	5.32	5.33	5.34	5.35
1200	min	2.81	2.82	2.83	2.84	2.85

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
5	min	83	88.5	93	99	105
10	min	70	71.2	73.5	76.8	78.3
15	min	53.6	54.7	56	57	58.1
20	min	46.8	47.3	48.9	49.9	50.5
30	min	32.2	33.3	34.1	34.9	36
45	min	22.1	23.9	24.6	25.3	26.2
60	min	18.7	21.2	21.7	22.2	22.9
90	min	12.8	13.2	13.6	13.8	14.1
120	min	10.2	10.7	10.8	10.9	11
180	min	7.11	7.42	7.52	7.62	7.73
240	min	5.92	5.97	6.2	6.31	6.42
300	min	4.98	5.11	5.15	5.2	5.22
480	min	3.38	3.47	3.49	3.53	3.55
600	min	2.62	2.66	2.67	2.68	2.69
1200	min	1.41	1.42	1.43	1.44	1.45

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