Drypower

LONG LIFE RANGE

STANDBY LONG LIFE POWER

12V | 65Ah | SLA | AGM

12SB65TL

Rechargeable AGM Sealed Lead Acid Battery

SPECIFICATIONS

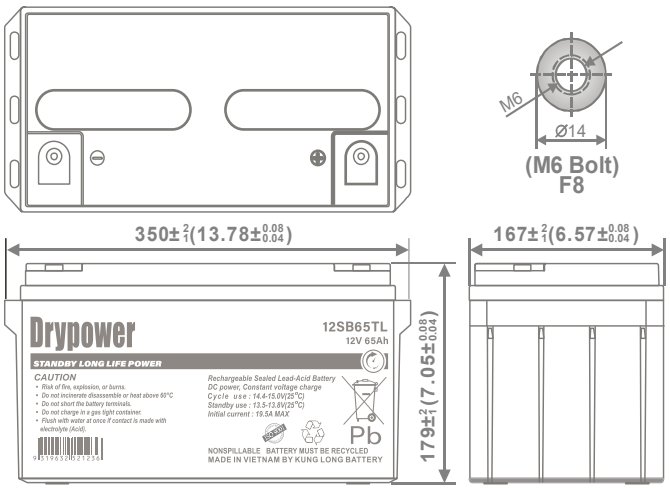
Nominal Voltage		12V
Nominal Capacity		
20 hour rate	(3.250A to 10.50V)	65Ah
10 hour rate	(6.175A to 10.50V)	61.75Ah
5 hour rate	(11.05A to 10.20V)	55.25Ah
1C	(65A to 9.60V)	41.17Ah
3C	(195A to 9.60V)	26Ah
Weight		Approx. 20.9kg
Internal Resistance (at 1KHz)		Approx. 7mΩ
Maximum Discharge Current (5 secs)		780A
Charge Methods at 25°C		
Standby Use		
Float Charging Voltage Coefficient -3.0mV/°C/Cell		13.5V to 13.8V
Maximum Charging Current		19.5A
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		F8 (M6 Bolt)
Description of Torque Value of Hardware for the Terminals		
Recommended Torque Value		M6: 7 N-m (71kgf-cm)
Max. Allowable Torque Value		M6: 9 N-m (92kgf-cm)
Design Life Expected Trickle Design Life		6-9 years at 20°C

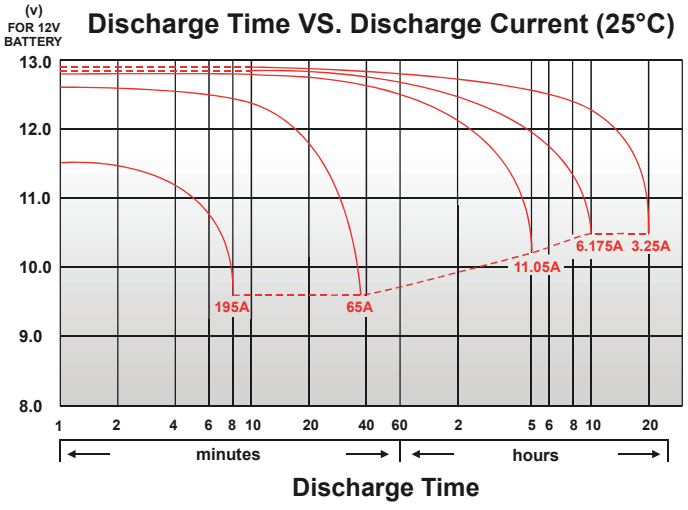
Classified as a non-spillable battery.
Approved for transportation by:
- Air (IATA/ICAO provision A67)
- Road
- Sea (per IMDG Special Provision 238)

IATA

Barcode 9319632521236

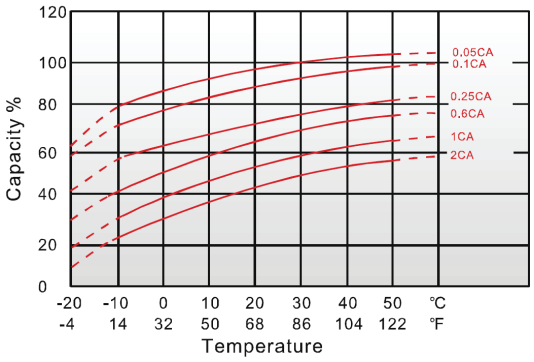
DIMENSIONS mm (inch)



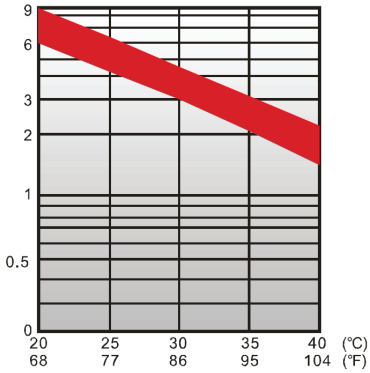


CHARACTERISTICS CHARTS

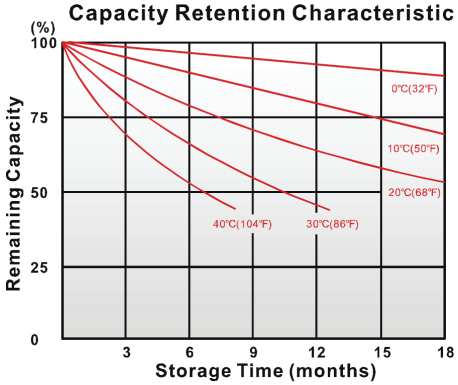
Effect of Temperature on Capacity 25℃(77℉)



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	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	249	275	320	371	380	396	432
10	min	203	230	251	274	282	290	309
15	min	170	190	207	215	218	224	231
20	min	150	158	171	173	180	185	193
30	min	113	124	134	138	141	143	148
60	min	72.5	76.5	82.3	83.7	84	84.3	85
90	min	58.3	60.2	61.5	62	62.3	62.5	62.8
120	min	45.7	48	49	49.5	49.7	49.8	50
180	min	32.4	33.5	34	34.3	34.5	34.7	35
240	min	26	27.2	27.5	27.7	27.8	28	28.2
300	min	21.7	22.6	23.1	23.2	23.3	23.4	23.4
480	min	14.9	15.5	15.8	15.9	16	16	16
600	min	12.5	12.9	13.2	13.2	13.3	13.3	13.3
1200	min	6.54	6.76	6.86	6.87	6.89	6.91	6.94

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	137	151	177	208	213	224	245
10	min	102	123	135	149	154	158	169
15	min	91	100	109	116	119	122	129
20	min	61.4	82.5	89.3	92.5	94	96.5	101
30	min	50.7	63.6	68.5	71.5	73.4	74.7	77.2
60	min	36.6	38.5	41.5	42.5	43	43.6	44.2
90	min	29.5	31.1	31.8	32.2	32.8	33	33.4
120	min	23.1	24.3	24.8	25	25.3	25.5	25.8
180	min	16.2	17	17.3	17.5	17.7	17.8	18
240	min	13	13.6	13.8	13.9	14	14.1	14.2
300	min	10.8	11.3	11.5	11.6	11.7	11.8	11.9
480	min	7.43	7.73	7.87	7.92	7.94	7.96	7.98
600	min	6.19	6.43	6.54	6.58	6.6	6.61	6.63
1200	min	3.24	3.35	3.4	3.41	3.42	3.43	3.44

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