Drypower

LONG LIFE RANGE

STANDBY LONG LIFE POWER

12V **152Ah** **SLA** **AGM**

12SB155TL-FR

Rechargeable AGM Sealed Lead Acid Battery

SPECIFICATIONS

Nominal Voltage		12V
Nominal Capacity		
20 hour rate	(7.6A to 10.20V)	152Ah
10 hour rate	(15.0A to 10.80V)	150Ah
5 hour rate	(25.5A to 10.20V)	127.5Ah
1 hour rate	(90A to 9.60V)	90Ah
Weight		Approx. 45.5kg
Internal Resistance (at 1KHz)		Approx. 4.8mΩ
Maximum Discharge Current (5 secs)		1500A
Charge Methods at 25°C		
Standby Use Float Charging Voltage Coefficient -3.0mV/°C/Cell		13.5V to 13.8V
Maximum Charging Current		45.6A
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		UL94 V-0 Flame Retardant
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 Expected Trickle Design Life	10-12 years at 20°C

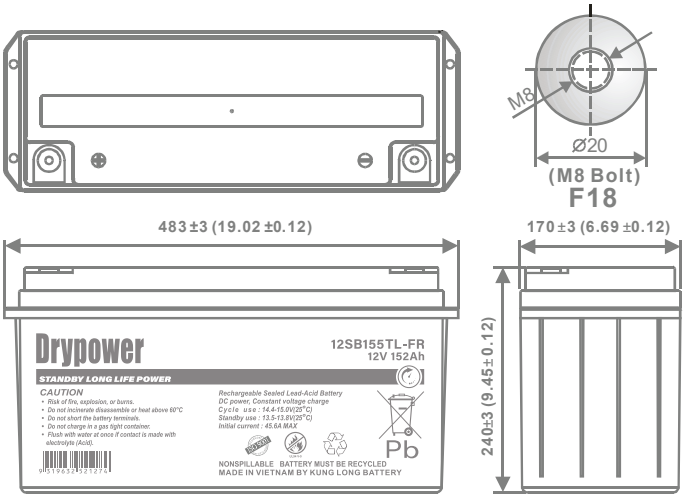
Classified as a non-spillable battery.
Approved for transportation by:
- Air (IATA/ICAO provision A67)
- Road
- Sea (per IMDG Special Provision 238)

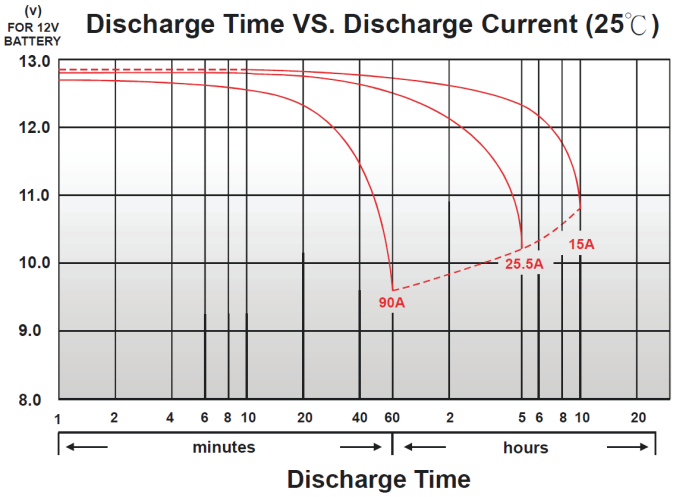
IATA

Barcode	9319632521274

UL94 V-0
FLAME RETARDANT CASE

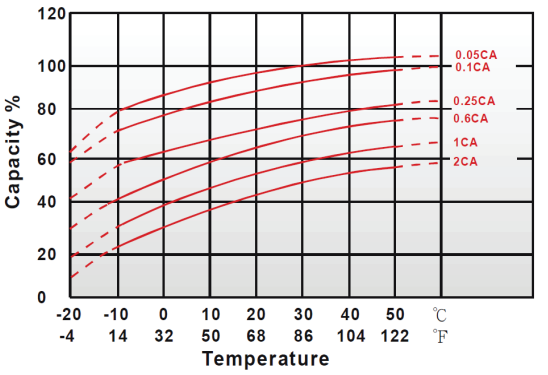
DIMENSIONS mm (inch)



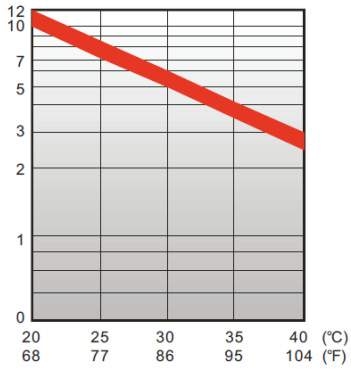


CHARACTERISTICS CHARTS

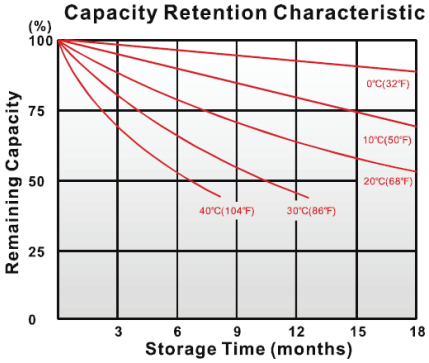
Effect of Temperature on Capacity 25℃(77℉)



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
10	min	405	461	517	544	573	587	598
15	min	359	401	440	459	478	489	500
20	min	322	354	383	397	411	419	431
30	min	257	276	293	301	309	313	324
60	min	161	167	170	172	174	176	183
90	min	132	139	141	142	143	143	145
120	min	106	112	113	114	115	115	117
180	min	75	78.5	79.7	80.5	80.9	81.1	81.9
240	min	58.7	61.3	62.2	62.8	63.1	63.3	63.9
300	min	48.3	50.4	51.1	51.6	51.9	52	52.5
480	min	32.9	34.1	34.6	35	35.2	35.3	35.5
600	min	29.3	30.3	30.7	31	31.2	31.2	31.5
1200	min	14.8	15.3	15.6	15.9	16.1	16.1	16.2

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
10	min	221	252	282	297	312	320	326
15	min	196	219	240	250	261	267	273
20	min	168	185	200	207	215	219	225
30	min	133	143	152	156	160	162	168
60	min	80.9	84	85.9	86.9	87.9	88.6	92.3
90	min	66.2	69.9	70.9	71.6	71.9	72.1	73.1
120	min	53.3	56.1	56.9	57.5	57.7	57.9	58.6
180	min	37.5	39.3	39.9	40.3	40.4	40.6	41
240	min	29.2	30.5	31	31.3	31.4	31.5	31.8
300	min	24.1	25.1	25.5	25.7	25.9	25.9	26.1
480	min	16.3	17	17.2	17.4	17.5	17.5	17.6
600	min	14.5	15	15.1	15.2	15.2	15.3	15.3
1200	min	7.3	7.52	7.56	7.6	7.64	7.68	7.7

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