Power your life

Valve Regulated Lead Acid Battery

22NF305CN

Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(3.1A	to	10.50V)	62Ah
10 hour rate	(6.2A	to	10.80V)	62Ah
5 hour rate	(10.54A	to	10.20V)	52.7Ah
1 hour rate	(37.2A	to	9.60V)	37.2Ah
1 C	(62A	to	9.60V)	35.13Ah

Weight

Approx. 18.7kg(41.14Lbs.)

Internal Resistance (at 1KHz)

Approx. 6.8 mΩ

Maximum Discharge Current for

5 seconds: 744A

Charging Methods at 25℃(77℉)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/℃/cell	
Maximum Charging Current：	18.6A
Standby use:	
Float Charging Voltage	13.5 to 13.8V
Coefficient -3.0mV/℃/cell	

Operating Temperature Range

Charge	-15℃(5℉)	to	40℃(104℉)
Discharge	-15℃(5℉)	to	50℃(122℉)
Storage	-15℃(5℉)	to	40℃(104℉)

Charge Retention (shelf life) at 20℃(68℉)

1 month	98%
3 month	94%
6 month	85%

Case Material

ABS UL94 HB
Option: Flammability resistance of (UL94 V-0)

Design Life

EUROBAT(20℃):3-5 YEARS STANDARD COMMERCIAL

Terminal

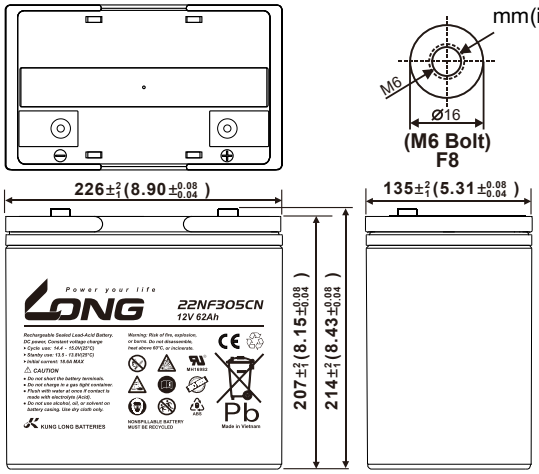
F8

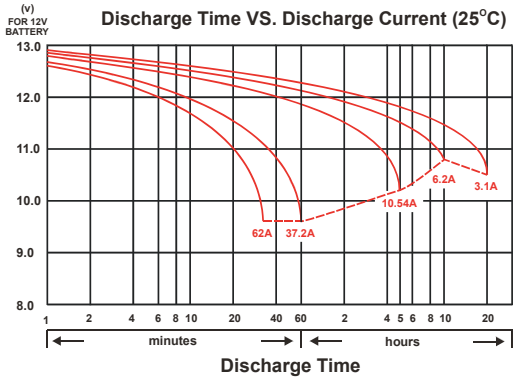
Dimensions

Length (L)	$226\pm^{2}_{1}(8.90\pm^{0.08}_{0.04})$
Width (W)	$135\pm^{2}_{1}(5.31\pm^{0.08}_{0.04})$
Height (H)	$207\pm^{2}_{1}(8.15\pm^{0.08}_{0.04})$
Overall Height (HT)	$214\pm^{2}_{1}(8.43\pm^{0.08}_{0.04})$

Description of torque value of hardware for the terminals:

Recommended torque value	M6: 7 N-m (71 kgf-cm)
Maximum allowable torque value	M6: 10 N-m (102 kgf-cm)

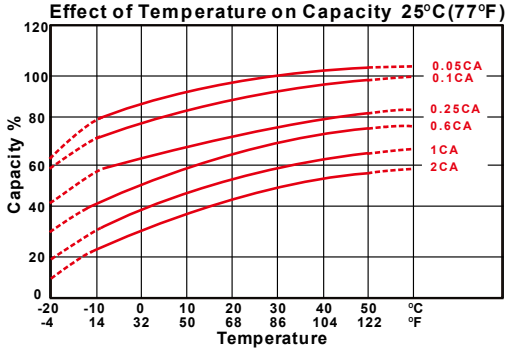


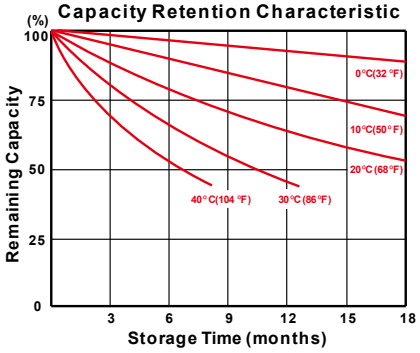


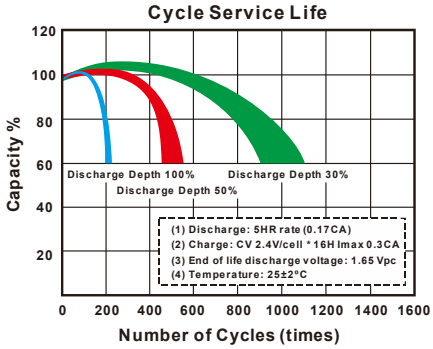
Power your life

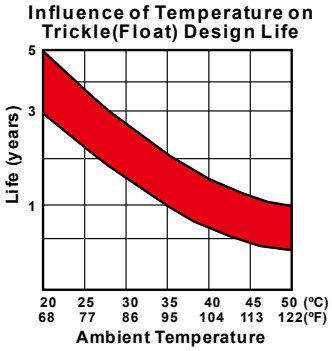
Valve Regulated Lead Acid Battery

22NF305CN









- PERFORMANCE DATA

Discharge Rates in Watts to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
10	min	131	207	249	278	285	294	304
15	min	110	157	185	203	208	214	220
30	min	68.8	88.7	101	111	114	117	121
60	min	57.7	70.7	72.9	74.3	74.7	75.2	75.9
120	min	36.0	37.5	38.6	39.3	39.5	39.8	40.2
180	min	28.9	30.1	31.0	31.6	31.8	32.0	32.3
240	min	23.2	24.2	24.9	25.4	25.5	25.7	25.9
300	min	19.7	20.6	21.2	21.6	21.7	21.9	22.1
600	min	11.7	12.1	12.5	12.7	12.8	12.9	13.0
1200	min	6.12	6.37	6.56	6.69	6.73	6.78	6.84

- Discharge Rates in Amperes to Various End Voltages at 25℃(77℉)

Time \ End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
10	min	74.9	118	142	159	163	168	174
15	min	57.3	85.4	101	111	114	117	120
30	min	43.6	51.7	59.8	64.0	64.8	67.1	72.4
60	min	32.5	35.9	37.6	38.9	39.4	40.0	40.6
120	min	19.3	20.7	21.8	22.7	23.0	23.5	24.1
180	min	13.3	14.5	15.6	16.1	16.3	16.6	16.9
240	min	11.3	11.9	12.5	13.1	13.2	13.4	13.6
300	min	10.3	10.7	11.0	11.2	11.3	11.4	11.5
600	min	5.96	6.20	6.38	6.50	6.53	6.58	6.64
1200	min	3.03	3.16	3.26	3.32	3.34	3.36	3.39

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%)

151025-1P

廣隆光電科技股份有限公司
KUNG LONG BATTERIES INDUSTRIAL CO., LTD.

Head Quarter Service TEL: +886-49-2254-777 FAX: +886-49-2255-139 E-mail: sales@mail.klb.com.tw
USA Customer Service TEL: +1-949-328-7936 FAX: +1-949-266-9917 E-mail: sales@kunglong.com
Vietnam Customer Service TEL: +84-272-3779666 FAX: +84-272-3779476 E-mail: sales@mail.klb.com.tw

Contents in this data sheet are subject to change for improvement without prior notice to users. For clarifications and updated information, please contact us.