Power your life

Valve Regulated Lead Acid Battery

KPH75-12N

Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(3.75A	to	10.50V)	75Ah
10 hour rate	(7.5A	to	10.80V)	75Ah
5 hour rate	(12.75A	to	10.20V)	63.75Ah
1 hour rate	(45A	to	9.60V)	45Ah
1C	(75A	to	9.60V)	47.5Ah

Weight

Approx. 24.2kg(53.24Lbs.)

Internal Resistance (at 1KHz)

Approx. 5 mΩ

Maximum Discharge Current for

5 seconds:900A

Charging Methods at 25℃(77℉)

Cycle use:

Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/℃/cell	
Maximum Charging Current：	22.5A

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℃)：>12 YEARS VERY LONG LIFE

Terminal

F8

Dimensions

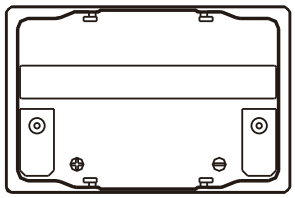
Length (L)	$260\pm^{2}_{1}(10.24\pm^{0.08}_{0.04})$
Width (W)	$170\pm^{2}_{1}(6.69\pm^{0.08}_{0.04})$
Height (H)	$202\pm^{2}_{1}(7.95\pm^{0.08}_{0.04})$
Overall Height (HT)	$207\pm^{2}_{1}(8.15\pm^{0.08}_{0.04})$

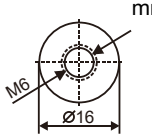
Description of torque value of hardware for the terminals:

Recommended torque value M6:7 N-m (71 kgf-cm)

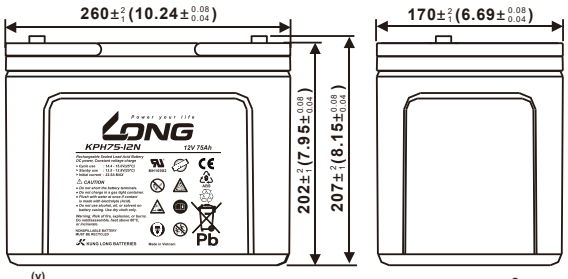
Maximum allowable torque value M6:10N-m (102 kgf-cm)

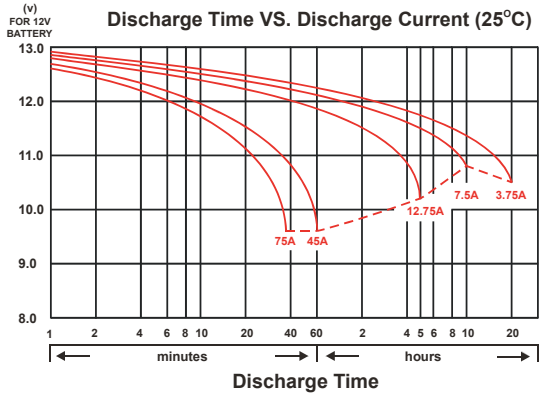
mm(inch)





(M6 Bolt)
F8

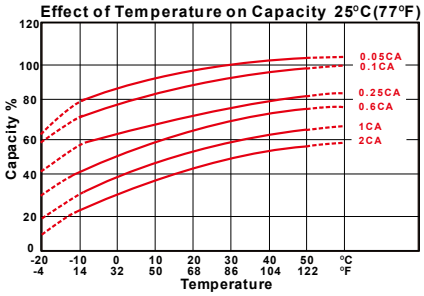


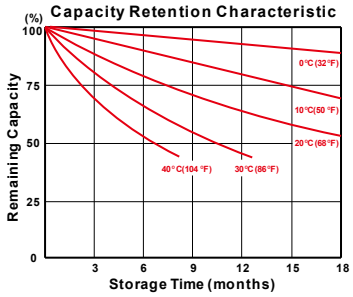


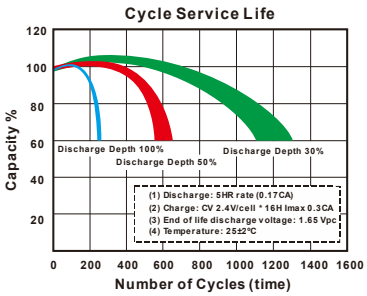
Power your life

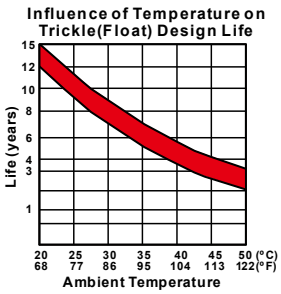
Valve Regulated Lead Acid Battery

KPH75-12N









- 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
15	min	292	311	326	333	340	345	350
20	min	232	250	261	265	268	270	270
30	min	177	187	197	201	203	204	205
40	min	140	145	150	152	153	153	154
45	min	129	134	136	138	139	139	140
60	min	97.1	97.9	98.4	98.7	98.9	99.0	99.0
90	min	68.8	70.0	70.9	71.7	72.2	72.5	72.8
120	min	54.6	56.5	57.4	57.7	58.0	58.2	58.4
180	min	37.7	38.3	38.8	39.1	39.3	39.4	39.5
240	min	29.5	30.0	30.5	30.7	30.9	31.0	31.1
300	min	24.1	24.4	24.6	24.8	24.9	25.0	25.0
480	min	16.4	16.7	16.9	17.0	17.1	17.1	17.2
600	min	13.7	14.2	14.7	14.9	15.1	15.2	15.2
1200	min	7.74	7.82	7.87	7.92	7.95	7.97	7.98

- 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
15	min	155	170	184	189	194	197	199
20	min	124	138	147	151	153	155	157
30	min	95.0	100	102	105	107	109	110
40	min	72.7	77.0	79.1	80.7	82.0	83.1	83.7
45	min	66.7	70.4	71.5	72.7	73.5	74.3	75.0
60	min	51.0	53.0	54.0	54.9	55.5	55.9	56.6
90	min	35.8	36.7	37.5	38.3	38.8	39.3	39.8
120	min	27.8	29.0	29.8	30.2	30.6	30.8	31.0
180	min	19.5	20.4	20.9	21.1	21.3	21.4	21.5
240	min	15.2	15.7	16.0	16.2	16.3	16.3	16.4
300	min	12.7	13.0	13.2	13.4	13.6	13.7	13.8
480	min	8.53	8.88	9.20	9.22	9.23	9.24	9.24
600	min	7.20	8.00	8.01	8.01	8.02	8.02	8.02
1200	min	3.75	4.00	4.02	4.03	4.03	4.04	4.04

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%)

140525-1O

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.