# **LEVG60-12S**

25°C.Please charge batteries before using.

A.B.S. UL94-HB, UL94-V0 Optional.

## **GEL Deep Cycle Battery**



#### **LIVEN LEVG Series**

LEVG Pure Gel series are manufacturing with special PVC-SI02 separator and patented GEL electrolyte. The LEVG series Valve Regulated Lead Acid (VRLA) is Pure Gel with 12 years floating design life. This battery its ideal for light traction electric vehicles applications (wheelchairs, electric sweepers, golf trolleys...). Maintenance-Free Sealed Lead Acid Battery.

The number of deep discharge cycles its 450 cycles at 100% DOD and 1300 cycles at 50%.

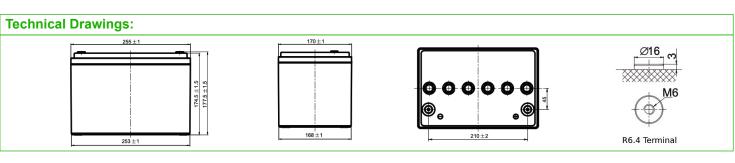
### **Applications:**

- · Wheelchairs
- Electric vehicles
- · Golf trolleys
- · Lawn mowers
- Electric sweepers
- Portable power
- Floor machines
- Medical equipments

#### **Dimensions:**

Length	255±1.5mm (10.0in)
Width	170±1.5mm (6.69in)
Height	174.5±1.5mm (6.87in)
Total Height	177.5±1.5mm (6.99in)

Specifications:	
Cells Per Unit	6
Voltage Per Unit	12V
Nominal Capacity	60.0Ah @20hour-rate to 1.80V per cell @25°C
Weight	Approx.19.5Kg ±2% (43.0lbs)
Internal Resistance	Approx. $8.5 m\Omega$
Terminal	R6.4
Max. Discharge Current	500A (5sec)
Design Life	12 years floating Eurobat (20°C): 10-12 years Long Life
Recommended Max. Charging Current	6.0A
Standby Use Voltage	13.5V~13.8V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	14.1V~14.4V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~55°C Charge: 0°C~40°C Storage: -20°C~50°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	LIVEN Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C Please charge batteries before using



**Container Material** 

Constant (	Constant Current Discharge (CC, Unit: A) at 25°C (77°F)													
F.V. / Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	122.2	94.3	79.7	59.2	43.8	35.50	20.30	15.30	12.10	9.95	8.41	6.35	5.25	3.08
1.67V	113.7	89.4	75.6	56.8	42.1	34.40	19.90	15.10	11.90	9.75	8.27	6.29	5.20	3.05
1.75V	98.4	80.5	69.6	53.1	39.9	32.70	19.20	14.70	11.70	9.50	8.14	6.18	5.15	3.03
1.80V	80.1	66.8	59.1	46.0	35.3	29.20	17.90	14.10	11.30	9.21	7.89	6.08	5.00	3.00
1.85V	67.0	58.0	52.2	41.5	31.6	26.40	16.20	12.90	10.40	8.75	7.46	5.84	4.90	2.79

Constant Power Discharge (CP, Unit: W/Battery) at 25°C (77°F)														
F.V. / Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.60V	1375.0	1061.9	896.9	666.7	492.8	399.6	232.2	176.4	139.8	115.8	97.8	74.4	61.8	35.7
1.67V	1293.3	1017.1	859.5	645.5	478.6	391.2	229.2	175.2	138.0	114.0	97.2	73.8	61.8	35.3
1.75V	1132.2	926.1	800.3	611.0	458.9	376.2	222.0	171.6	136.2	111.0	96.0	73.2	61.2	34.9
1.80V	927.0	772.3	683.6	532.3	408.3	337.8	208.2	165.0	132.6	108.0	93.0	72.0	59.5	34.6
1.85V	780.1	675.4	607.5	483.2	368.2	307.2	190.2	151.2	123.0	103.2	88.2	69.6	58.4	32.2







