

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%.

· Electric vehicles

· Lawn mowers

· Portable power

Medical equipments

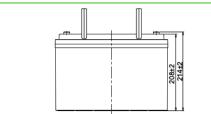
Applications:

- · Wheelchairs
- · Golf trolleys
- · Electric sweepers
- · Floor machines
- r loor machines

Di	men	sior	ıs:
-	men	5101	

Length	306±1.5mm (12.0in)
Width	168±1.5mm (6.61in)
Height	208±1.5mm (8.19in)
Total Height	214±1.5mm (8.43in)

Technical Drawings:





Specifications: Cells Per Unit

Voltage Per Unit

Nominal Capacity

Internal Resistance

Max. Discharge Current

Standby Use Voltage

Cycle Use Voltage

Self Discharge

Container Material

Operating Temperature Range

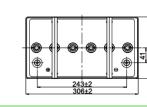
Recommended Max. Charging Current 18.0A

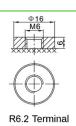
Normal Operating Temperature Range 25°C±5°C

Weight

Terminal

Design Life





Constant Current Discharge (CC, Unit: A) at 25°C (77°F)													
10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
184.40	139.50	112.00	84.10	59.80	53.80	31.00	23.40	18.50	15.80	13.70	10.70	8.93	4.80
176.30	131.90	106.90	80.40	57.40	52.10	30.30	23.10	18.20	15.50	13.50	10.60	8.84	4.74
152.50	121.10	99.50	75.90	53.90	49.60	29.20	22.40	17.90	15.00	13.20	10.40	8.76	4.64
135.30	111.20	91.30	69.80	49.80	44.20	27.20	21.50	17.30	14.60	12.80	10.30	8.50	4.50
121.90	100.20	82.30	62.90	44.80	40.00	24.70	19.60	15.90	13.90	12.10	9.83	8.33	4.30
	10min 184.40 176.30 152.50 135.30	10min15min184.40139.50176.30131.90152.50121.10135.30111.20	10min15min20min184.40139.50112.00176.30131.90106.90152.50121.1099.50135.30111.2091.30	10min15min20min30min184.40139.50112.0084.10176.30131.90106.9080.40152.50121.1099.5075.90135.30111.2091.3069.80	10min15min20min30min45min184.40139.50112.0084.1059.80176.30131.90106.9080.4057.40152.50121.1099.5075.9053.90135.30111.2091.3069.8049.80	10min15min20min30min45min1h184.40139.50112.0084.1059.8053.80176.30131.90106.9080.4057.4052.10152.50121.1099.5075.9053.9049.60135.30111.2091.3069.8049.8044.20	10min15min20min30min45min1h2h184.40139.50112.0084.1059.8053.8031.00176.30131.90106.9080.4057.4052.1030.30152.50121.1099.5075.9053.9049.6029.20135.30111.2091.3069.8049.8044.2027.20	10min15min20min30min45min1h2h3h184.40139.50112.0084.1059.8053.8031.0023.40176.30131.90106.9080.4057.4052.1030.3023.10152.50121.1099.5075.9053.9049.6029.2022.40135.30111.2091.3069.8049.8044.2027.2021.50	10min15min20min30min45min1h2h3h4h184.40139.50112.0084.1059.8053.8031.0023.4018.50176.30131.90106.9080.4057.4052.1030.3023.1018.20152.50121.1099.5075.9053.9049.6029.2022.4017.90135.30111.2091.3069.8049.8044.2027.2021.5017.30	10min15min20min30min45min1h2h3h4h5h184.40139.50112.0084.1059.8053.8031.0023.4018.5015.80176.30131.90106.9080.4057.4052.1030.3023.1018.2015.50152.50121.1099.5075.9053.9049.6029.2022.4017.9015.00135.30111.2091.3069.8049.8044.2027.2021.5017.3014.60	10min15min20min30min45min1h2h3h4h5h6h184.40139.50112.0084.1059.8053.8031.0023.4018.5015.8013.70176.30131.90106.9080.4057.4052.1030.3023.1018.2015.5013.50152.50121.1099.5075.9053.9049.6029.2022.4017.9015.0013.20135.30111.2091.3069.8049.8044.2027.2021.5017.3014.6012.80	10min15min20min30min45min1h2h3h4h5h6h8h184.40139.50112.0084.1059.8053.8031.0023.4018.5015.8013.7010.70176.30131.90106.9080.4057.4052.1030.3023.1018.2015.5013.5010.60152.50121.1099.5075.9053.9049.6029.2022.4017.9015.0013.2010.40135.30111.2091.3069.8049.8044.2027.2021.5017.3014.6012.8010.30	10min 15min 20min 30min 45min 1h 2h 3h 4h 5h 6h 8h 10h 184.40 139.50 112.00 84.10 59.80 53.80 31.00 23.40 18.50 15.80 13.70 10.70 8.93 176.30 131.90 106.90 80.40 57.40 52.10 30.30 23.10 18.20 15.50 13.50 10.60 8.84 152.50 121.10 99.50 75.90 53.90 49.60 29.20 22.40 17.90 15.00 13.20 10.40 8.76 135.30 111.20 91.30 69.80 49.80 27.20 21.50 17.30 14.60 12.80 10.30 8.50

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	1953.6	1513.8	1241.4	919.2	697.2	606.0	354.0	268.8	214.2	183.6	159.6	125.4	105.0	57.1
1.67V	1864.2	1462.8	1186.8	887.4	668.4	592.2	349.2	267.6	211.2	180.6	157.8	124.8	104.4	56.3
1.75V	1684.2	1363.8	1125.0	845.4	636.0	570.0	338.4	261.0	208.8	176.4	156.0	123.0	103.8	55.2
1.80V	1496.4	1245.6	1041.6	785.4	594.6	511.8	317.4	252.0	203.4	172.2	151.2	121.2	100.8	53.6
1.85V	1348.2	1122.6	938.4	707.4	535.8	466.2	289.8	231.0	187.8	163.8	143.4	116.4	99.0	51.4

LEVG90-12

90.0Ah @20hour-rate to 1.80V per cell @25°C

Approx.26.5Kg ±2% (58.40lbs)

Eurobat (20°C): 10-12 years Long Life

Temperature Compensation: -3mV/°C/Cell

Temperature Compensation: -4mV/°C/Cell

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.

0°C~40°C

-20°C~50°C

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

6

12V

R6.2

Approx. 7.4mΩ

850A (5sec)

12 years floating

13.5V~13.8V @ 25°C

14.1V~14.4V @ 25°C

Discharge: -20°C~55°C

Charge:

Storage:

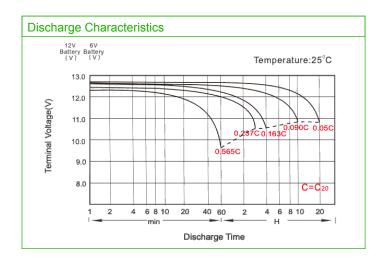
GEL Deep Cycle Battery

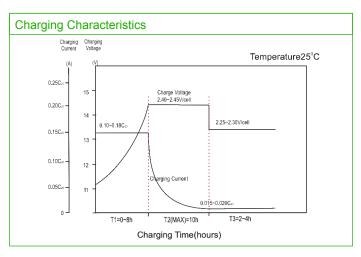
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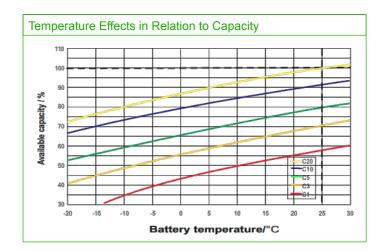


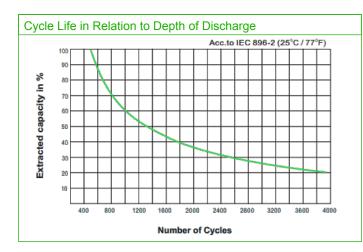


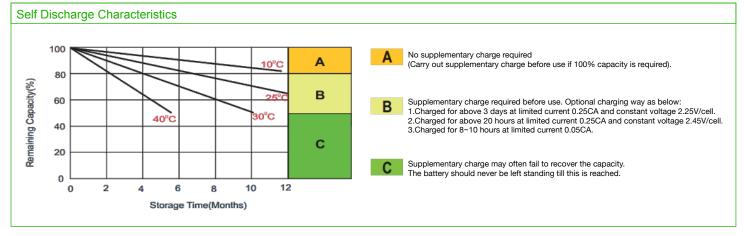












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