

LEVG17-12

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:

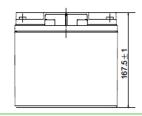
- · Wheelchairs
- · Electric vehicles
- · Golf trolleys
- · Lawn mowers
- · Electric sweepers
- · Portable power
- · Floor machines
- · Medical equipments

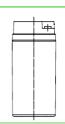
Dimensions:

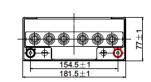
Length	181.5±1.5mm (7.15in)
Width	77±1.5mm (3.03in)
Height	167.5±1.5mm (6.59in)
Total Height	167 5+1 5mm (6 59in)

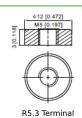
	GEL Deep Cycle Battery
Specifications:	
Cells Per Unit	6
Voltage Per Unit	12V
Nominal Capacity	17.0Ah @20hour-rate to 1.80V per cell @25°C
Weight	Approx.5.8Kg ±2% (12.79lbs)
Internal Resistance	Approx. 18.0mΩ
Terminal	R5.3
Max. Discharge Current	204A (5sec)
Design Life	12 years floating Eurobat (20°C): 10-12 years Long Life
Recommended Max. Charging Current	4.25A
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

Technical Drawings:









25°C.Please charge batteries before using.

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

Constant (Constant Current Discharge (CC, Unit: A) at 25°C (77°F)													
F.V. / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.60V	22.50	16.50	12.10	9.93	5.93	4.41	3.52	2.95	2.52	2.21	1.98	1.81	1.67	0.90
1.67V	20.80	15.40	11.30	9.35	5.70	4.24	3.39	2.86	2.46	2.16	1.94	1.77	1.64	0.89
1.75V	18.50	13.90	10.30	8.52	5.24	3.94	3.20	2.72	2.34	2.06	1.86	1.70	1.58	0.87
1.80V	16.50	12.60	9.50	7.96	4.95	3.73	3.06	2.62	2.26	1.99	1.80	1.65	1.55	0.85
1.85V	14.40	11.30	8.61	7.21	4.57	3.49	2.89	2.49	2.15	1.90	1.72	1.57	1.48	0.82

Container Material

Constant F	Constant Power Discharge (CP, Unit: W/Battery) at 25°C (77°F)													
F.V. / Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.60V	243.6	182.4	136.2	112.8	67.8	50.9	40.9	34.4	29.5	26.0	23.3	21.4	19.9	10.7
1.67V	227.4	171.6	127.8	106.8	66.0	49.2	39.5	33.5	28.9	25.5	23.0	21.0	19.5	10.6
1.75V	207.6	157.2	117.6	98.4	61.2	46.1	37.6	32.0	27.6	24.4	22.1	20.2	18.8	10.4
1.80V	186.6	144.6	109.8	92.4	57.8	43.7	35.9	30.9	26.8	23.7	21.4	19.7	18.5	10.1
1.85V	165.0	130.8	100.2	84.0	53.6	41.0	34.1	29.5	25.6	22.7	20.5	18.8	17.8	9.8







