LEVG55-12

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

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- · Floor machines
- · Medical equipments

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Length	229±1.5mm (9.02in)
Width	138±1.5mm (5.43in)
Height	205±1.5mm (8.07in)
Total Height	211+1 5mm (8 31in)

Specifications:	
Cells Per Unit	6
Voltage Per Unit	12V
Nominal Capacity	55.0Ah @20hour-rate to 1.80V per cell @25°C
Weight	Approx.16.6Kg ±2% (38.60lbs)
Internal Resistance	Approx. 10.0mΩ
Terminal	R6.2
Max. Discharge Current	470A (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

Technical Drawings:

Container Material

Constant (onstant 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	102.00	78.70	66.60	49.50	36.60	29.70	17.10	13.00	10.20	8.74	7.56	5.91	4.94	2.94
1.67V	95.58	75.16	63.52	47.69	35.33	28.90	16.80	12.80	10.10	8.55	7.44	5.86	4.89	2.90
1.75V	82.30	67.25	58.15	44.34	33.36	27.40	16.20	12.40	9.87	8.32	7.32	5.76	4.84	2.83
1.80V	66.98	55.81	49.39	38.53	29.54	24.40	15.00	11.90	9.59	8.07	7.09	5.67	4.70	2.75
1.85V	56.25	48.68	43.70	34.84	26.48	22.10	13.60	10.80	8.82	7.66	6.71	5.43	4.61	2.63

Constant F	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	1149.8	887.2	750.8	558.0	412.6	334.8	195.6	148.8	118.2	101.4	88.2	69.6	58.1	34.8
1.67V	1083.5	852.0	720.0	540.6	400.5	327.6	192.6	147.6	117.0	99.6	87.6	69.0	57.5	34.4
1.75V	946.2	773.1	668.5	509.8	383.5	315.0	187.2	144.6	115.8	97.8	86.4	68.4	57.5	33.7
1.80V	777.4	647.8	573.3	447.2	342.8	283.2	175.2	139.2	112.8	95.4	83.4	67.2	55.7	32.8
1.85V	656.6	568.3	510.2	406.8	309.1	258.0	160.2	127.2	103.8	90.0	79.8	64.2	54.7	31.3















