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:

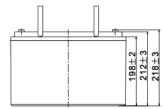
- · Wheelchairs
- Electric vehicles
- · Golf trolleys
- · Lawn mowers
- · Electric sweepers
- Portable power
- · Floor machines
- · Medical equipments

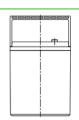
Dimensions:

Length	330±1.5mm (13.0in)
Width	173±1.5mm (6.81in)
Height	212±1.5mm (8.35in)
Total Height	218±1.5mm (8.58in)

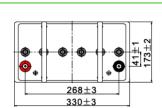
	OLL Deep Cycle Dattery					
Specifications:						
Cells Per Unit	6					
Voltage Per Unit	12V					
Nominal Capacity	100.0Ah @20hour-rate to 1.80V per cell @25°C					
Weight	Approx.32.0Kg ±2% (70.50lbs)					
Internal Resistance	Approx. 6.4mΩ					
Terminal	R8.7					
Max. Discharge Current	888A (5sec)					
Design Life	12 years floating Eurobat (20°C): 10-12 years Long Life					
Recommended Max. Charging Current	: 20.0A					
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 there betteries before uping					

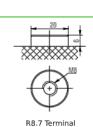
Technical Drawings:





Container Material





25°C.Please charge batteries before using.

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

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	199.10	150.70	121.00	90.90	64.60	58.10	33.30	25.10	19.80	16.80	14.60	11.30	9.24	5.20
1.67V	190.60	142.60	115.60	86.90	62.10	56.30	32.60	24.80	19.40	16.50	14.40	11.20	9.15	5.12
1.75V	164.90	130.90	107.50	82.00	58.30	53.60	31.40	24.00	19.10	16.00	14.10	11.00	9.06	5.06
1.80V	146.00	120.00	98.50	75.30	53.70	47.70	29.30	23.10	18.40	15.60	13.70	10.90	8.88	5.00
1.85V	131.40	108.00	88.70	67.80	48.30	43.10	26.50	21.00	17.00	14.80	12.90	10.40	8.62	4.66

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	2112.0	1636.8	1341.6	994.2	753.6	654.0	380.4	288.6	228.6	195.0	169.8	75.6	108.6	61.8
1.67V	2015.4	1581.0	1282.8	958.8	722.4	639.6	375.6	286.8	225.6	192.0	167.4	74.4	108.0	61.2
1.75V	1821.0	1474.2	1216.8	914.4	687.6	615.6	364.8	280.2	223.2	187.8	165.6	73.2	107.4	59.7
1.80V	1614.0	1344.0	1123.8	847.2	641.4	553.2	341.4	270.0	217.2	182.4	160.8	72.0	104.4	59.1
1.85V	1452.6	1209.6	1011.6	762.6	577.2	502.8	311.4	247.2	201.0	174.0	152.4	70.8	102.6	55.5







