ATTERY 12V 17AH



LEVG17-12 LEVG-series GEL Deep Cycle

LIVEN LEVG Series-GEL Deep Cycle

- For longer cycle live: special paste formula, over dimensioned negative plate, optimised manufacturing process, additives for deep discharge. Up 10 years
- Special anti-vibration desing
- Thick plates, special formula of paste and plate manufacturing process for a long service life
- ABS material: increase the strenght of battery container
- Special plate desing, long cycle life
- Using special lead-calcium alloy to boost up the grid anti-corrosive performance and extend the battery using life
- Special separators boost up the battery internal performance
- High termal capacity, reduce the risk of thermal runaway and drying up, can be used in por environment
- High gas recombination efficiency
- Little water losing, no electrolyte stratification phenomenon
- Long storage time
- Good deep discharge resilience performance

Application:

- Railway and marine systems
- Electric tools
- · Vehicle in place of walking
- Lawn mowers

12V

- Golf trolleys and golf cart
- Electric toys
- Portable power
- Wheelchairs
- Medical equipments.



Specification:

Nominal Voltage Nominal Capacity(20HR)

Dimension

Approx Weight	
Terminal	

Container Material

Max. Discharge Current Internal Resistance

Operating Temp.Range

Nominal Operating Temp. Range

Cycle Use

Standby Use

Capacity affected by Temperature

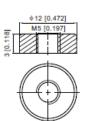
Self Discharge

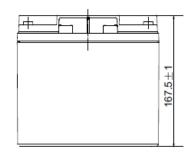
17.0AH	
Length	181.5±2mm (7.15 inches)
Width	77 \pm 1mm (3.03 inches)
Container Height	167.5±2mm (6.59 inches)
Total Height (with Terminal)	167.5±2mm (6.59 inches)
Approx 5.8 kg (12.8lbs)	
T12	
ABS	
204A (5s)	
Approx 18mΩ	
Discharge : -20~55°C (-4~ Charge : 0~40°C (32~ Storage : -20~50°C (-4~	-104°F)
25±3°C (77±5°F)	
Initial Charging Current less th	nan 3.4A.Voltage
14.4V~15.0V at 25° C(77° F)Te	emp. Coefficient -30mV/°C
No limit on Initial Charging Cu	rrent Voltage
13.5V~13.8V at 25°C(77°F)Te	emp. Coefficient -20mV/°C
40°C (104°F)	103%
25°C (77°F)	100%
0°C (32°F)	86%
LIVEN LEVG series batteries ma at 25°C(77°F) and then a fresh	

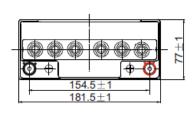
For higher temperatures the time interval will be shorter.

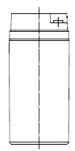
Outer Dimensions:

T12 Terminal Unit: mm [inches]







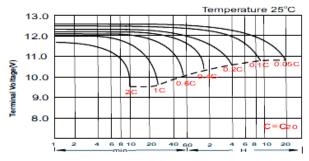


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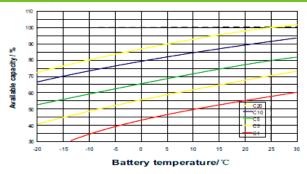
Discharge Characteristics

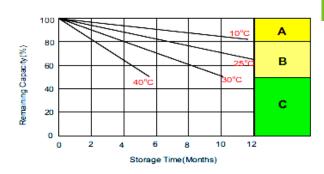


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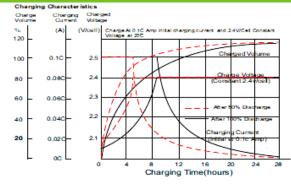
Discharge Time

Temperature Effects in Relation to Capacity

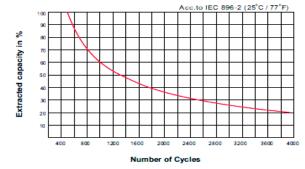




Capacity Retention Characteristic



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics

A No supplementary charge required

(Carry out supplementary charge before use if 100% capacity is required.)

Supplementary charge required before use.Optional charging way as below:

- B 1.Charged for above 3 days at limted current 0.25CA and constant volatge 2.25V/cell.
 2.Charged for above 20hours at limted current 0.25CA and constant volatge 2.45V/cell.
 3.Charged for 8-10hours at limted current 0.05CA.
 - Supplementary charge may often fail to recover the capacity.
 - The battery should never be left standing till this is neached.

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
1.85V/cell	14.4	11.3	8.61	7.21	4.57	3.49	2.89	2.49	2.15	1.90	1.72	1.57	1.48	0.82
1.80V/cell	16.5	12.6	9.50	7.96	4.95	3.73	3.06	2.62	2.26	1.99	1.80	1.65	1.55	0.85
1.75V/cell	18.5	13.9	10.3	8.52	5.24	3.94	3.20	2.72	2.34	2.06	1.86	1.70	1.58	0.87
1.70V/cell	19.9	14.9	10.9	9.01	5.56	4.11	3.31	2.81	2.42	2.13	1.91	1.75	1.62	0.88
1.67V/cell	20.8	15.4	11.3	9.35	5.70	4.24	3.39	2.86	2.46	2.16	1.94	1.77	1.64	0.89
1.60V/cell	22.5	16.5	12.1	9.93	5.93	4.41	3.52	2.95	2.52	2.21	1.98	1.81	1.67	0.90

С

Constan	Constant Power Discharge (CP, Unit: W) at 25°C (77°F)													
F.V/Time	20min	30min	45min	1h	2h	3h	4h	5h	6h	7h	8h	9h	10h	20h
1.85V/cell	27.5	21.8	16.7	14.0	8.94	6.83	5.68	4.92	4.26	3.78	3.42	3.13	2.96	1.63
1.80V/cell	31.1	24.1	18.3	15.4	9.63	7.29	5.99	5.15	4.46	3.95	3.57	3.28	3.09	1.69
1.75V/cell	34.6	26.2	19.6	16.4	10.2	7.68	6.26	5.33	4.60	4.07	3.68	3.37	3.14	1.73
1.70V/cell	36.9	27.9	20.7	17.3	10.7	7.98	6.45	5.48	4.75	4.20	3.78	3.46	3.21	1.75
1.67V/cell	37.9	28.6	21.3	17.8	11.0	8.20	6.59	5.58	4.82	4.25	3.83	3.50	3.25	1.76
1.60V/cell	40.6	30.4	22.7	18.8	11.3	8.49	6.81	5.74	4.92	4.33	3.89	3.57	3.31	1.78

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