

# LG36-12N (GEL)



## Nominal Capacity 20°C (68°F)

Nominal Voltage 12V

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20 hour rate (1.8A to 10.50V) 36Ah  
 5 hour rate (6.12A to 10.20V) 30.6Ah  
 1 hour rate (19.8A to 9.60V) 19.8Ah  
 1C (36A to 9.60V) 19.2Ah

## Cycle use

- Maximum charging current 10.8A
- Charging Voltage 13.8 to 14.4V
- Coefficiente -5.0mV/°C/cell

## Standby use

- Float Charging Voltage 13.5 to 13.8V
- Coefficiente -3.0mV/°C/cell

## Operating Temperature Range

- Charge -15°C (5°F) to 40°C(104°F)
- Discharge -15°C (5°F) to 50°C(122°F)
- Storage -15°C (5°F) to 40°C(104°F)

## Terminal

F8

## Design Life

- EUROBAT(20 C°) : 3-5 years standard commercial

## Charge Retention (shelf life) at 20°C (68°F)

- 1 month 97%
- 3 month 92%
- 6 month 85%

## Maximum Discharge Current for

- 5 seconds: 540A

## DATOS DE RENDIMIENTO

### Intensidades de descarga en vatios para distintos voltajes finales a 25 °C (77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	154	166	179	190	1195	200	208
10	min	117	125	133	139	144	147	154
15	min	101	106	110	113	115	118	121
30	min	67.1	68.7	70.1	71.3	71.9	72.6	73.7
60	min	43.7	44.5	45.0	45.4	45.6	45.9	46.2
120	min	23.7	24.0	24.3	24.4	24.6	24.8	24.9
180	min	19.0	19.1	19.3	19.4	19.6	19.6	19.7
240	min	14.6	14.7	14.8	14.9	15.0	15.0	15.1
300	min	12.3	12.4	12.4	12.5	12.5	12.5	12.5
600	min	6.94	7.07	7.19	7.30	7.42	7.48	7.56
1200	min	3.50	3.61	3.69	3.77	3.81	3.84	3.90

### Intensidades de descarga en amperios para distintos voltajes finales a 25 °C (77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	82.2	91.8	102	110	113	117	123
10	min	60.7	65.4	70.0	74.3	76.6	79.0	83.1
15	min	52.7	55.4	56.4	57.4	57.8	58.2	58.9
30	min	34.4	35.4	36.2	36.8	37.3	37.5	38.2
60	min	22.4	22.7	22.9	23.1	23.2	23.4	23.7
120	min	11.8	12.1	12.3	12.5	12.6	12.8	13.0
180	min	9.03	9.14	9.29	9.38	9.48	9.57	9.66
240	min	7.25	7.31	7.37	7.42	7.44	7.46	7.50
300	min	5.95	6.02	6.08	6.13	6.15	6.17	6.19
600	min	3.45	3.51	3.56	3.60	3.61	3.63	3.64
1200	min	1.72	1.80	1.85	1.88	1.89	1.90	1.91

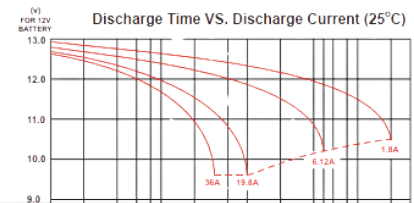
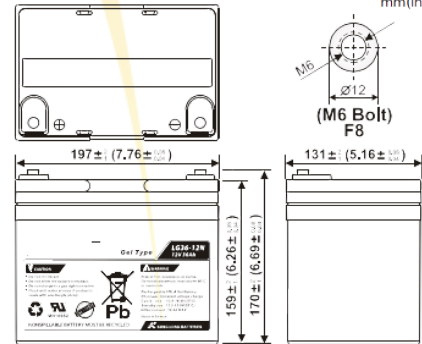
## Features

Description of torque value of hardware for the terminals:

- Recommended torque value M6: 7 N-m (71 kgf-cm)
- Maximum allowable torque value M6: 10 N-m (102 kgf-cm)

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Recommended torque value M6: 7 N-m (71 kgf-cm)  
 Maximum allowable torque value M6: 10N-m (102kgf-cm)  
 mm(inch)



## Dimensions and weight

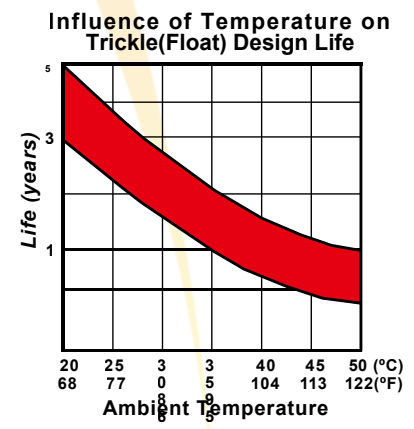
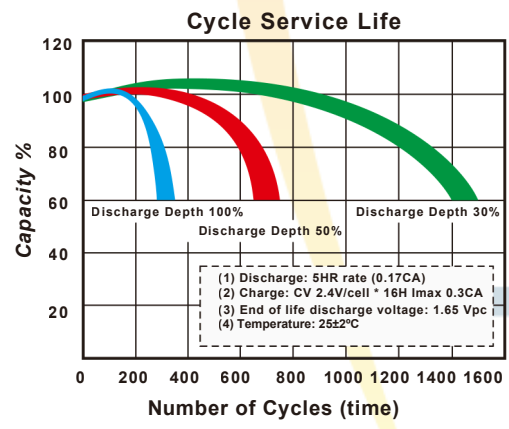
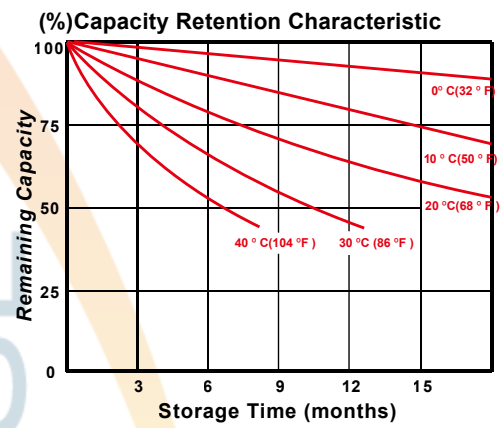
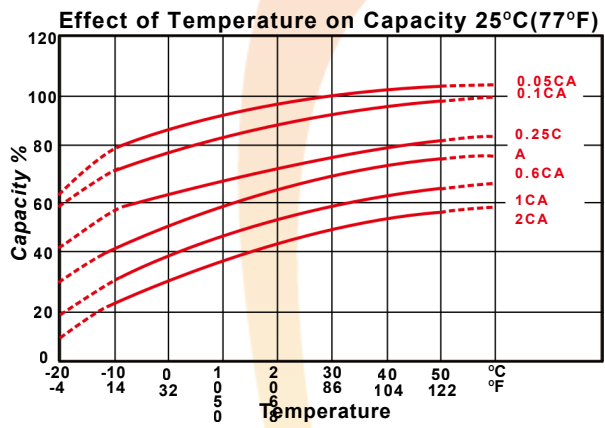
Length (max) 197 mm  
 Width (max) 131 mm  
 Height: H1 (max) 159 mm  
 Total height: H2 (max) 170 mm  
 Filled weight (max) 10.7kg (23.54 Lbs)

## Case material

- ABS UL94 HB
- Option: Flammability resistance of (UL94 V-0)

## Internal resistance (at 1KHz)

- Approx: 4 mOMs



**All data on the spec. sheet is an average value:**

The tolerancerange :  $X < 6\text{min}$ (+15%~-15%),  $6\text{min} \leq X < 10\text{min}$ (+12%~-12%),  $10\text{min} \leq X < 60\text{min}$ (+8%~-8%),  $X \geq 60\text{min}$ (+5%~-5%)