

WP50-12NE (AGM)



Nominal Capacity 20°C (68°F)

Nominal Voltage 12V

Nominal Capacity 20°C (68°F)

20 hour rate (2.5A to 10.50V) 50Ah
 10 hour rate (4.75A to 10.50V) 50Ah
 5 hour rate (8.5A to 10.20V) 42.5Ah
 1C (50A to 9.60V) 27.5Ah
 3C (150A to 9.60V) 20Ah

Cycle use

- Maximum charging current 15A
- Charging Voltage 14.4 to 15V
- 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: 600A

Internal resistance (at 1KHz)

- Approx: 5 Oms

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
15	min	124	143	157	163	166	169	171
30	min	76.4	88.0	95.2	98.3	99.5	101	102
60	min	52.6	55.4	57.0	58.3	58.8	59.5	59.9
120	min	29.2	32.0	33.3	34.5	34.8	35.3	35.8
180	min	20.8	22.7	23.8	24.7	25.0	25.3	25.7
240	min	17.2	18.3	19.0	19.7	19.8	20.2	20.5
300	min	15.9	16.6	17.0	17.3	17.5	17.7	17.8
600	min	8.62	9.10	9.38	9.57	9.62	9.68	9.77
1200	min	4.58	4.87	5.05	5.17	5.20	5.25	5.30

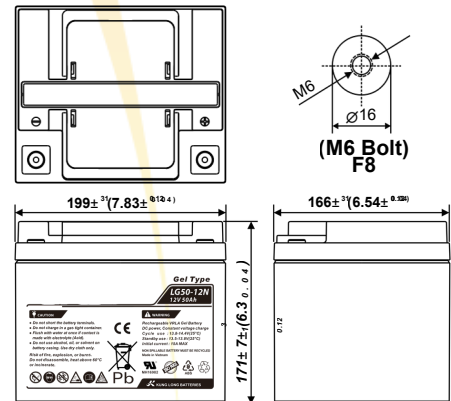
Intensidades de descarga en amperios para distintos voltajes finales a 25 °C (77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
15	min	76.2	82.8	85.8	88.4	89.1	90.0	91.0
30	min	44.5	49.7	51.7	53.3	53.8	54.4	55.1
60	min	25.5	28.2	29.3	30.0	30.2	30.5	30.8
120	min	15.1	16.2	16.8	17.3	17.5	17.7	17.9
180	min	11.0	11.7	12.1	12.4	12.5	12.6	12.7
240	min	8.96	9.44	9.70	9.89	9.96	10.1	10.2
300	min	7.85	8.26	8.50	8.67	8.73	8.80	8.87
600	min	4.41	4.65	4.76	4.82	4.84	4.87	4.91
1200	min	2.32	2.44	2.50	2.55	2.57	2.59	2.61

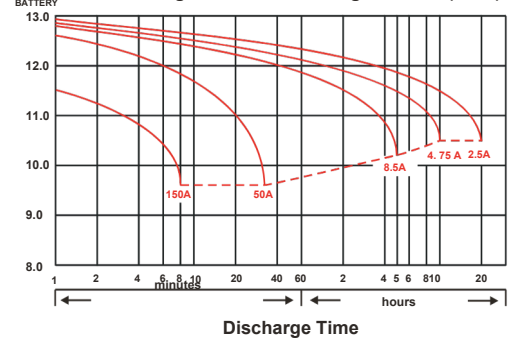
Features

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)



(V) Discharge Time VS. Discharge Current (25°C)

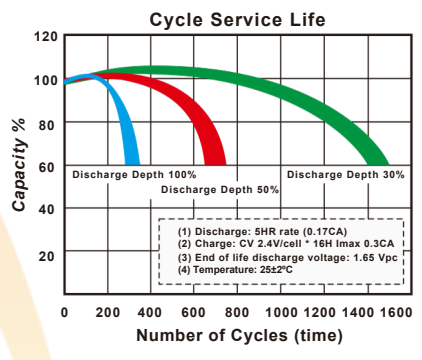
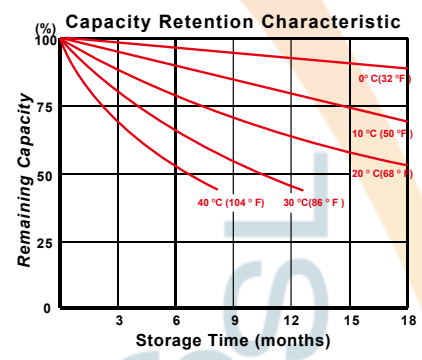
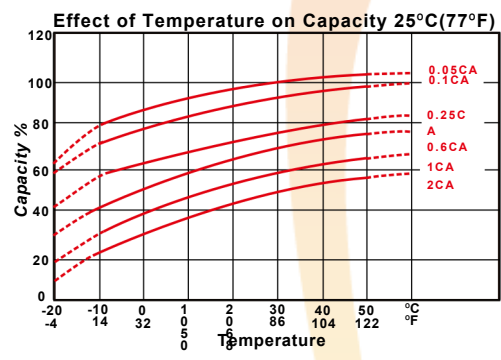


Dimensions and weight

Length (max) 199 mm
 Width (max) 166 mm
 Height: H1 (max) 171 mm
 Total height: H2 (max) 171 mm
 Filled weight (max) 15kg (33 Lbs)

Case material

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



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%)