

NM12-135L

12V135Ah / 10hr rate**BATTERY**
Genergy

Introduction

Genergy NML (Long life) Series is designed for solar and renewable energy system. The series is featured of its long service life. It is widely used in solar and wind power system, UPS and power utility.

Battery Features

- Absorbent Glass Mat (AGM) Technology for efficient gas recombination of up to 99% maintenance free and fixed orifice plate pasting technology
- Low self-discharge
- Fully tank formed plates
- Low impurity electrolyte
- Flame retardant ABS casing with UL94-V0 is available upon request.
- Very high purity lead

Electrical Specification

Design floating Life @ 25°C (77°F) 10 years

Nominal Capacity @ 25°C /77°F

20 hour rate 6.95A to 1.75Vpc 139 Ah

10 hour rate 13.56A to 1.75Vpc 135.6 Ah

Internal Resistance

(Fully charged battery @ 25°C /77°F) 5mΩ

Max. Discharge Current @ 25°C /77°F 1350 A (5S)

Charge Methods: Constant voltage charge @ 25°C /77°F

Cycle Use 14.7 ~ 14.9V

Max. Current 33 A

Standby Use 13.6 - 13.8V

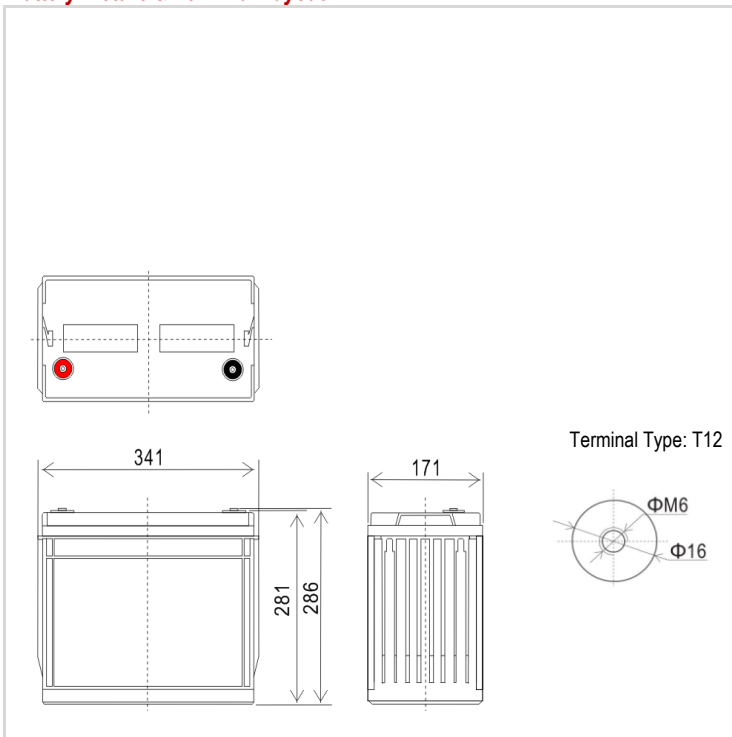
Operating Temperature Range -30 ~ 50°C

*Notes: battery voltage must be adjusted according to temperature.**Please refer to our recommendation.*

Self-Discharge

<3% of capacity declined per month @ 25°C (77°F).

Battery Picture & Terminal Layout



Dimension & Weight

Length	Dimension (± 2mm)			Weight (± 2%)
	Width	Height	Total Height	
341 mm	171 mm	281 mm	286 mm	41 kg
13.4 inch	6.7 inch	11.1 inch	11.3 inch	90.4 lbs

Typical Applications

○ Solar/Wind Energy System

○ Power Utility

○ UPS/EPS

Certificates



Constant Current Discharge (Amperes @ 25°C /77°F)

V/cell	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1hr	2hr	3hr	4hr	5hr	10hr	20hr
1.60	275.85	210.57	181.91	153.24	129.71	128.57	119.90	111.96	104.68	98.39	99.24	53.80	38.28	31.79	25.99	13.89	7.02
1.65	261.94	199.95	173.67	147.39	126.23	125.17	116.92	109.40	102.55	96.68	97.89	52.76	37.55	31.13	25.40	13.82	7.02
1.70	251.12	191.69	166.81	141.93	122.18	121.03	113.10	105.88	99.36	93.82	95.19	50.98	36.68	30.39	24.80	13.69	7.02
1.75	239.53	182.85	159.37	135.89	117.54	116.46	109.07	102.35	96.38	91.37	93.17	49.57	35.88	29.73	24.26	13.56	6.95
1.80	227.17	173.41	151.53	129.66	112.90	111.78	104.82	98.51	92.97	88.40	90.48	47.79	35.02	28.99	23.66	13.20	6.88

Constant Power Discharge (Watts/cell @ 25°C /77°F)

V/cell	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1hr	2hr	3hr	4hr	5hr	10hr	20hr
1.60	479.06	365.69	321.83	277.96	242.30	240.79	223.68	207.94	193.31	180.96	180.92	99.46	72.38	60.05	49.46	27.71	14.62
1.65	462.06	352.72	311.05	269.39	235.93	234.42	217.95	202.82	188.84	177.13	177.56	97.44	71.71	59.39	48.79	27.45	14.62
1.70	444.29	339.15	299.50	259.84	228.39	226.97	211.36	197.05	183.94	173.09	174.19	95.09	70.38	58.36	48.06	26.91	14.42
1.75	424.97	324.41	286.96	249.52	220.28	218.90	204.14	190.65	178.40	168.42	170.14	92.07	68.38	56.92	47.19	26.71	14.16
1.80	404.11	308.48	273.45	238.42	211.59	210.18	196.29	183.61	172.22	163.11	165.43	88.81	66.58	55.49	46.12	26.44	14.03

Subject to revision without notice. Please contact our sales representatives for latest version.

Web: www.genergybattery.com | Email: sales@genergybattery.com

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Graphs

