

NL2-1500

2V1500Ah / 10hr rate



Introduction

Generagy NL (2V) series is designed for standby use with 15-year design life in float service. The series battery is featured of high consistency, excellent performance and reliable standby service life. It is widely applied in Telecoms, Power Utility, Renewables, UPS/EPS, and medical equipment.

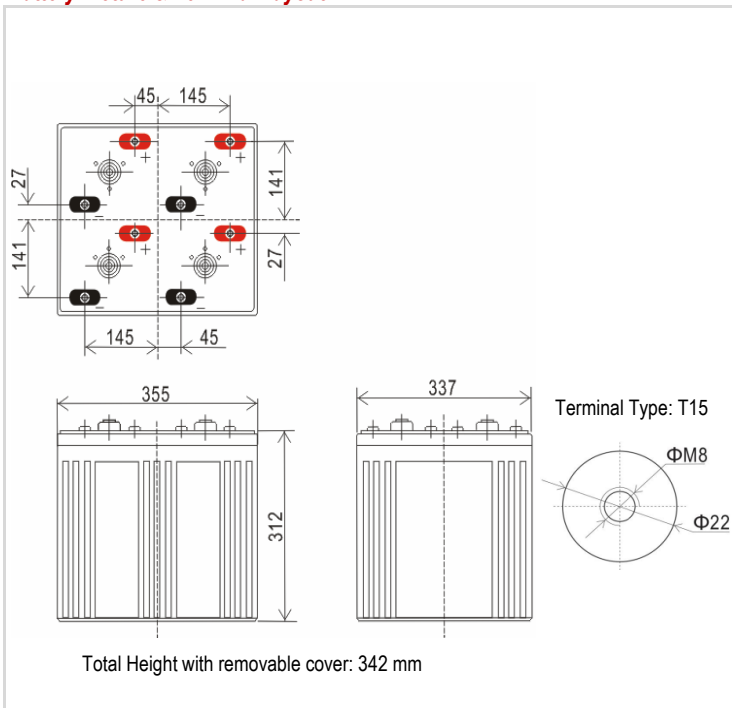
Key Features

- Valve regulated maximum internal pressure 2.5 PSI
- Increase durability and deep cycle ability for heavy demand applications
- Low self-discharge
- Fully tank formed plates
- Low impurity electrolyte
- Spill proof / leak proof
- Multi-position usage
- ABS case and cover VO upon request
- Very high purity lead

Electrical Specification

| | |
|---|--------------|
| Design floating Life @ 25°C (77°F) | 15 years |
| Nominal Capacity @ 25°C /77°F | |
| 20 hour rate 80.72A to 1.75Vp | 1610 Ah |
| 10 hour rate 153.86A to 1.75V | 1538 Ah |
| Internal Resistance | |
| (Fully charged battery @ 25°C /77°F) | 0.5 mΩ |
| Max. Discharge Current @ 25°C /77° | 3000 A (5S) |
| Charge Methods: Constant voltage charge @ 25°C /77°F | |
| Cycle Use | 2.45 ~ 2.49V |
| Max. Curren | 300 A |
| Standby Use | 2.25 ~ 2.30V |
| 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) | | | Total Height | Weight (± 2%) |
|-----------|-------------------|-----------|-----------|--------------|---------------|
| | Width | Height | | | |
| 355 mm | 337 mm | 312 mm | 342 mm | 94 kg | |
| 14.0 inch | 13.3 inch | 12.3 inch | 13.5 inch | 207.2 lbs | |

Typical Applications

- Telecommunications
- UPS & EPS
- Power Utility
- Data Center
- Solar Energy System

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 | 2924.4 | 2232.3 | 2006.2 | 1780.0 | 1560.0 | 1447.9 | 1341.9 | 1236.0 | 1142.4 | 1072.1 | 1028.7 | 584.31 | 438.43 | 369.53 | 306.03 | 161.43 | 84.50 |
| 1.65 | 2779.0 | 2121.3 | 1908.6 | 1695.9 | 1489.4 | 1383.5 | 1283.9 | 1184.3 | 1097.0 | 1033.0 | 995.9 | 565.25 | 425.82 | 360.70 | 300.99 | 158.91 | 83.24 |
| 1.70 | 2633.6 | 2010.4 | 1811.1 | 1611.8 | 1418.8 | 1318.8 | 1225.1 | 1131.3 | 1050.0 | 991.8 | 960.6 | 544.72 | 413.21 | 351.88 | 295.94 | 156.39 | 81.98 |
| 1.75 | 2484.9 | 1896.9 | 1710.2 | 1523.5 | 1343.1 | 1249.4 | 1162.0 | 1074.5 | 999.5 | 947.7 | 922.7 | 522.72 | 395.55 | 339.26 | 288.38 | 153.87 | 80.72 |
| 1.80 | 2336.2 | 1783.3 | 1609.3 | 1435.3 | 1267.4 | 1180.1 | 1098.9 | 1017.8 | 949.1 | 903.5 | 884.9 | 500.72 | 377.90 | 326.65 | 280.81 | 151.34 | 79.46 |

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 | 4705.4 | 3591.9 | 3338.8 | 3085.8 | 2827.6 | 2659.0 | 2485.4 | 2311.8 | 2140.9 | 1997.6 | 1880.9 | ##### | 852.72 | 735.28 | 598.54 | 322.87 | 169.00 |
| 1.65 | 4540.2 | 3465.8 | 3207.7 | 2949.5 | 2686.3 | 2528.7 | 2366.0 | 2203.3 | 2043.3 | 1911.0 | 1805.2 | ##### | 830.02 | 720.15 | 590.98 | 317.82 | 166.48 |
| 1.70 | 4193.2 | 3200.9 | 2982.3 | 2763.7 | 2540.0 | 2393.8 | 2242.4 | 2091.1 | 1942.4 | 1821.5 | 1727.0 | ##### | 807.32 | 703.75 | 580.89 | 312.78 | 163.96 |
| 1.75 | 3935.5 | 3004.2 | 2802.4 | 2600.6 | 2393.7 | 2258.4 | 2118.0 | 1977.6 | 1839.9 | 1729.8 | 1646.3 | 957.34 | 782.10 | 686.10 | 570.80 | 307.73 | 161.43 |
| 1.80 | 3674.4 | 2804.9 | 2619.9 | 2435.0 | 2244.9 | 2120.1 | 1990.2 | 1860.3 | 1733.1 | 1633.6 | 1560.6 | 907.48 | 729.13 | 655.83 | 563.23 | 302.69 | 158.91 |

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

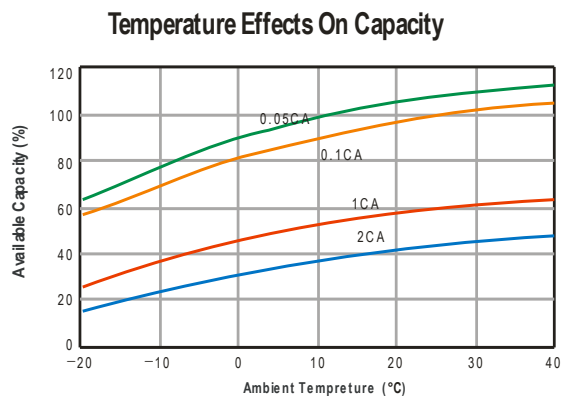
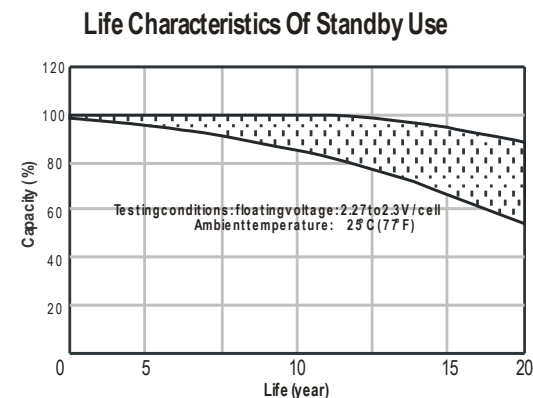
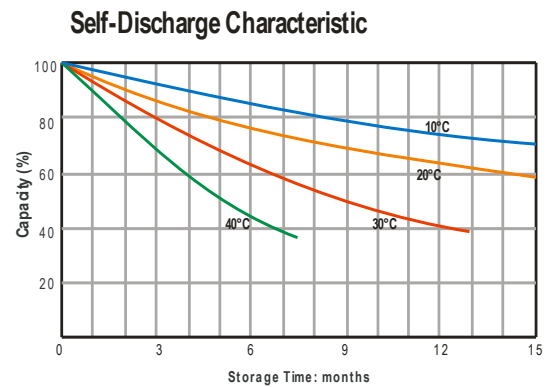
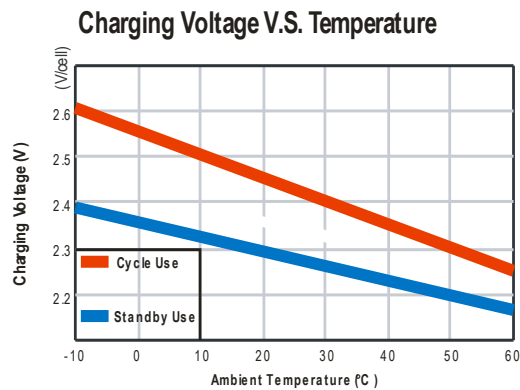
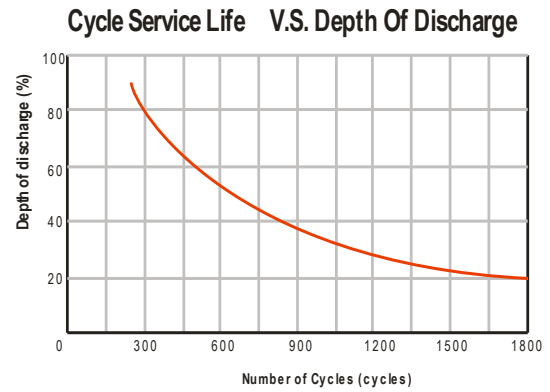
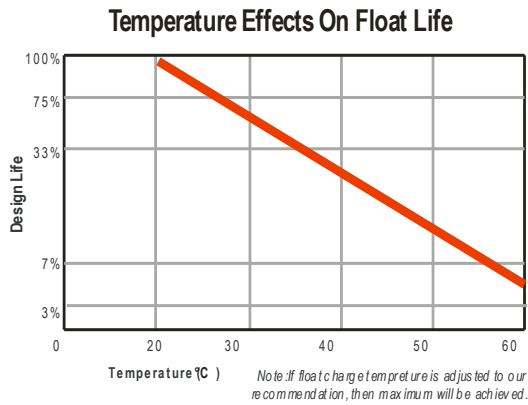
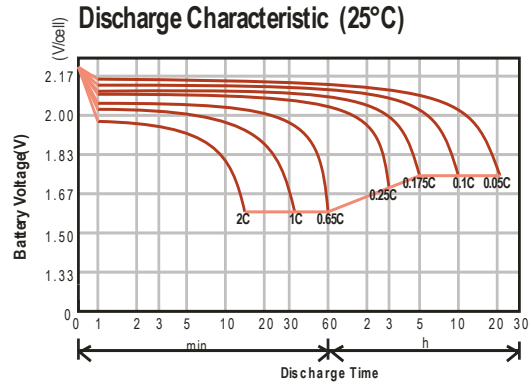
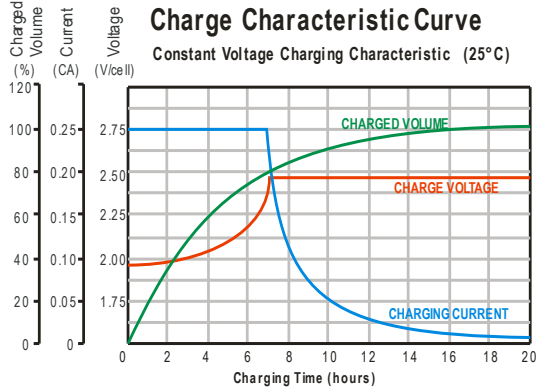
Web: www.generagybattery.com | Email: sales@generagybattery.com

NL2-1500

2V1500Ah / 10hr rate



Graphs



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