

# NG2-1500

2V1500Ah / 20hr rate



### Introduction

**Genergy NG (2 Volt) series** is designed for solar and other renewable energy system applications with a 15 years design life. The series battery is a genuine Gelled electrolyte valve regulated product. Featured of its performance is an enhanced cycle life in comparison to traditional AGM products.

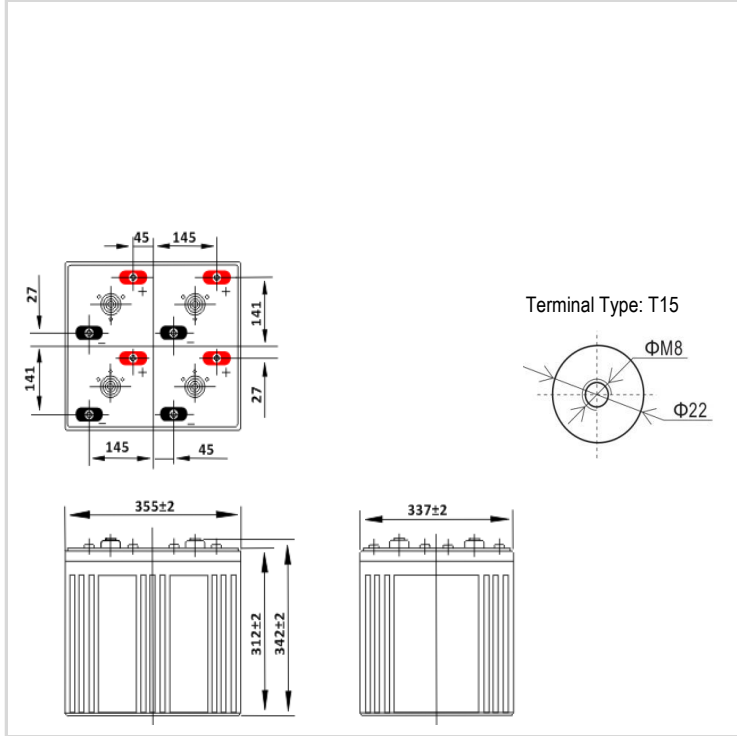
### Battery Features

- Completed maintenance free
- Electrolyte will not stratify, no equalization charge required.
- Enhanced cycle life
- Genuine Gelled thixotropic electrolyte (Silicon Gel)
- 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

### Electrical Specification

Design floating Life @ 25°C (77°F)	15 years
Nominal Capacity @ 25°C /77°F	
20 hour rate 75.24A to 1.75Vpc	1504.8Ah
10 hour rate 146.8A to 1.75Vpc	1468Ah
Internal Resistance	
(Fully charged battery @ 25°C /77°F)	0.6 mΩ
Max. Discharge Current @ 25°C /77°F	7000 A (5S)
Charge Methods: Constant voltage charge @ 25°C /77°F	
Cycle Use	2.45 ~ 2.49V
Max. Current	375 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	Total Height		
355 mm	337 mm	312 mm	342 mm	100.4 kg	
14.0 inch	13.3 inch	12.3 inch	13.5 inch	221.3 lbs	

### Typical Applications

- Solar Energy System
- Wind Energy System
- Power Utility
- UPS/EPS
- BTS system
- Data Center

### 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	2670	2189	1983	1749	1575	1415	1331	1245	1171	1104	1073	584.5	414.1	344.2	281.4	150.4	75.95
1.65	2536	2078	1894	1682	1533	1378	1298	1216	1147	1085	1059	573.3	406.1	337.0	274.9	149.6	75.95
1.70	2431	1992	1819	1620	1485	1332	1255	1177	1111	1053	1030	554.0	396.8	329.0	268.4	148.2	75.95
1.75	2319	1900	1738	1551	1430	1282	1210	1138	1078	1025	1008	538.7	388.1	321.8	262.7	146.8	75.24
1.80	2199	1802	1652	1480	1375	1230	1163	1095	1040	992	979	519.4	378.7	313.9	256.2	142.9	74.53

### 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	4637	3801	3509	3172	2894	2650	2483	2312	2155	2017	1936	1048	764.9	650.2	535.4	300.0	158.3
1.65	4473	3666	3391	3074	2818	2580	2419	2255	2105	1974	1900	1026	757.7	642.9	528.2	297.1	158.3
1.70	4301	3525	3265	2965	2728	2498	2346	2191	2050	1929	1863	1000	743.2	631.8	520.3	291.3	156.1
1.75	4114	3372	3129	2848	2631	2409	2266	2119	1988	1877	1820	968	721.6	616.2	510.9	289.2	153.3
1.80	3912	3206	2981	2721	2528	2313	2179	2041	1919	1817	1769	932	702.1	600.7	499.3	286.3	151.9

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

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Graphs

