

OPzV1500

2V1500Ah / 10hr rate**BATTERY**
Genergy

Introduction

Genergy OPzV series is designed for alternative energy system including solar energy system with 20-year design life in float service. Immobilized Gel and tubular plate technology is applied to provide high performance and long life. The series is suitable for cyclic use under extreme operating conditions.

Battery Features

- Genuine Gel
- Long service life. Under float charging, ambient temperature 25° C, it can operate 15-20 years.
- Multi-position usage
- Enhanced deep cycle performance.
- Excellent recovery from deep discharge and good deep discharge cycle capability.
- Very low self-discharge.
- Excellent temperature resistance performance.
- Superior low current discharge performance.
- Strong constant power discharge capability.
- Very good charge reception capability.

Electrical Specification

Design floating Life @ 25°C (77°F)	20 years
Nominal Capacity @ 25°C /77°F	
120 hr rate 16.5A to 1.80Vpc	1980Ah
10 hr rate 150.8A to 1.80Vpc	1508Ah
Internal Resistance	
(Fully charged battery @ 25°C /77°F)	0.19 mΩ
Max. Discharge Current @ 25°C /77°F	8000 A (5S)
Charge Methods: Constant voltage charge @ 25°C /77°F	
Cycle Use	2.38 ~ 2.42V
Max. Current	225 A
Standby Use	2.23 ~ 2.27V
Operating Temperature Range	-30 ~ 50°C
<i>Notes: battery voltage must be adjusted according to temperature.</i>	
<i>Please refer to our recommendation.</i>	
Self-Discharge	2% of capacity declined per month @ 25°C (77°F).

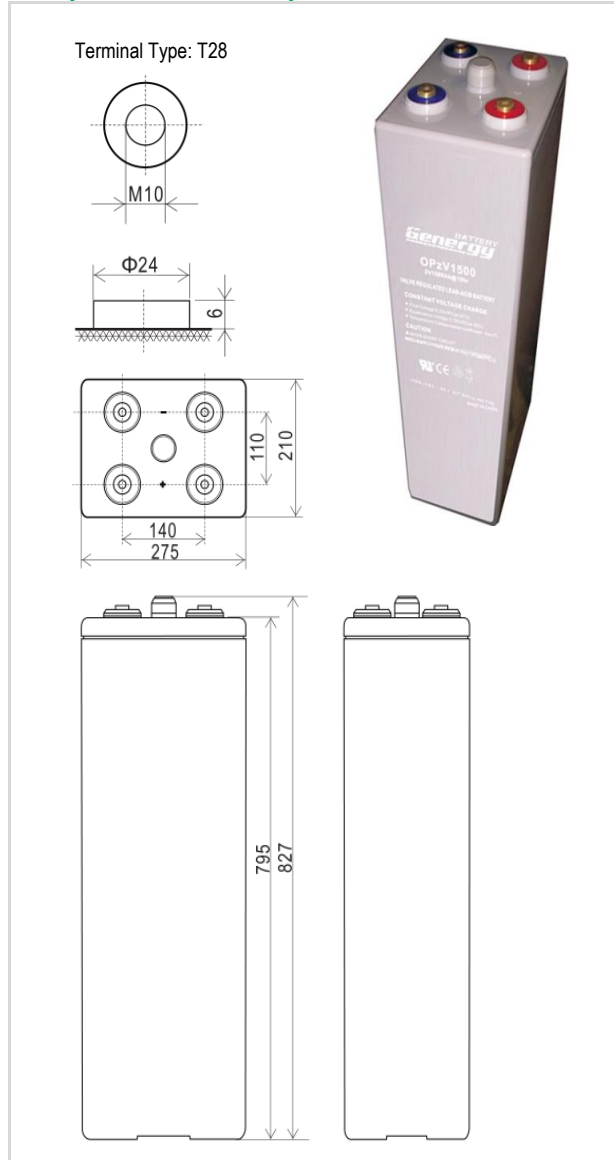
Typical Applications

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

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

V/cell	15min	30min	1hr	3hr	5hr	10hr	24hr	48hr	120hr
1.65	1890	1410	885	403	284	156	72.8	40.6	17.2
1.70	1710	1283	833	391	269	154	72.1	40.2	17.0
1.75	1613	1215	780	386	262	153	71.4	39.8	16.8
1.80	1515	1148	765	375	251	150	70.0	39.1	16.5
1.85	1418	1043	734	367	245	142	66.3	37.0	15.6

Battery Picture & Terminal Layout



Dimension & Weight

Dimension (± 2mm)				Weight (± 2%)
Length	Width	Height	Total Height	
275 mm	210 mm	795 mm	827 mm	117 kg
10.8 inch	8.3 inch	31.3 inch	32.6 inch	257.9 lbs

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

V/cell	15min	30min	1hr	3hr	5hr	10hr	24hr	48hr	120hr
1.65	3683	2745	1770	803	563	309	144	80.4	34.0
1.70	3338	2498	1658	780	535	306	143	79.6	33.6
1.75	3143	2370	1560	765	521	305	141	78.9	33.3
1.80	2955	2235	1523	746	500	299	140	78.1	33.0
1.85	2768	2033	1463	730	488	283	133	74.3	31.4

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Graphs

