

OPzV2000

2V2000Ah / 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 21.1A to 1.85Vpc	2532 Ah
10 hr rate 201A to 1.80Vpc	2010 Ah
Internal Resistance	
(Fully charged battery @ 25°C /77°F)	0.14 mΩ
Max. Discharge Current @ 25°C /77°F	10000 A (5S)
Charge Methods: Constant voltage charge @ 25°C /77°F	
Cycle Use	2.38 ~ 2.42V
Max. Current	300 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).

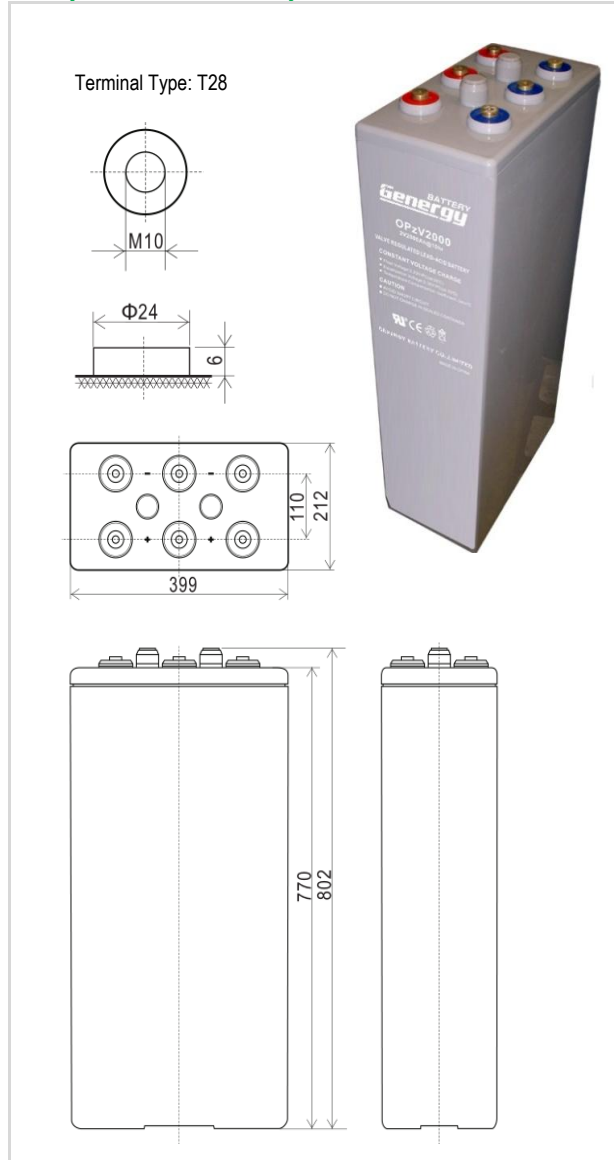
Typical Applications

- 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	2520	1880	1120	537	379	\	\	\	\
1.70	2280	1712	1112	521	359	\	\	\	\
1.75	2152	1642	1040	515	349	204	\	\	\
1.80	2024	1528	1024	500	335	200	\	\	\
1.85	1888	1392	976	489	327	189	48	24	21.1

Battery Picture & Terminal Layout



Dimension & Weight

Dimension (± 2mm)				Weight (± 2%)
Length	Width	Height	Total Height	
399 mm	212 mm	770 mm	802 mm	155 kg
15.7 inch	8.3 inch	30.3 inch	31.6 inch	341.7 lbs

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

V/cell	15min	30min	1hr	3hr	5hr	10hr	48hr	100hr	120hr
1.65	4912	3672	2253	1072	755	\	\	\	\
1.70	4448	3336	2208	1032	715	\	\	\	\
1.75	4192	3160	2072	1024	697	405	\	\	\
1.80	3936	2984	2032	992	669	399	\	\	\
1.85	3688	2712	1952	968	651	376	95.5	66.4	41.6

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Graphs

