

OPzV800

2V800Ah / 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 8.8A to 1.80Vpc	1061 Ah
10 hr rate 80.4A to 1.80Vpc	804 Ah
Internal Resistance	
(Fully charged battery @ 25°C /77°F)	0.29 mΩ
Max. Discharge Current @ 25°C /77°F	4000 A (5S)
Charge Methods: Constant voltage charge @ 25°C /77°F	
Cycle Use	2.38 ~ 2.42V
Max. Current	120 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).

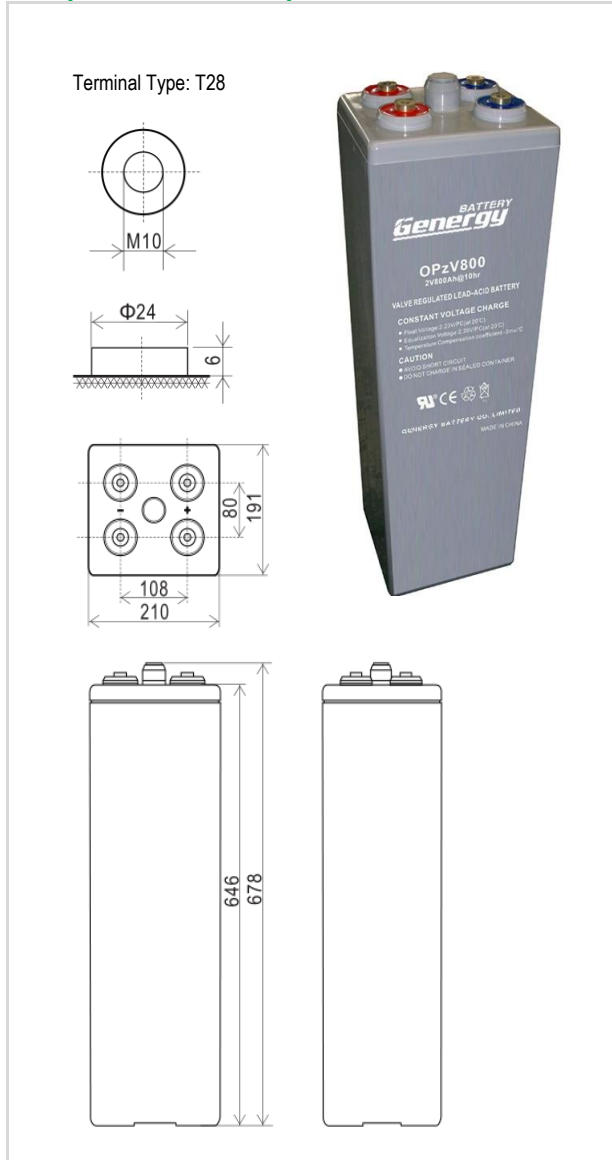
Typical Applications

- 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	1008	752	472	215	151	83.2	38.5	21.7	9.2
1.70	912	684	444	208	143	82.5	38.2	21.5	9.1
1.75	860	648	420	205	140	81.6	37.7	21.3	9.0
1.80	808	612	408	200	135	80.4	37.2	20.9	8.8
1.85	756	556	391	196	130.8	75.6	35.0	19.7	8.3

Battery Picture & Terminal Layout



Dimension & Weight

Dimension (± 2mm)				Weight (± 2%)
Length	Width	Height	Total Height	
191 mm	210 mm	646 mm	678 mm	65 kg
7.5 inch	8.3 inch	25.4 inch	26.7 inch	143.3 lbs

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

V/cell	15min	30min	1hr	3hr	5hr	10hr	24hr	48hr	120hr
1.65	1965	1467	939	428	301	164	76.2	42.9	18.2
1.70	1779	1307	884	415	285	163	75.6	42.6	18.1
1.75	1677	1264	828	409	277	162	74.7	42.1	17.9
1.80	1576	1193	812	399	267	159	73.6	41.7	17.7
1.85	1475	1084	779	389	260	150	69.2	39.4	16.7

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Graphs

