

OPzV350

2V350Ah / 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 3.9A to 1.85Vpc	468 Ah
10 hr rate 35.2A to 1.80Vpc	352 Ah
Internal Resistance	
(Fully charged battery @ 25°C /77°F)	0.56 mΩ
Max. Discharge Current @ 25°C /77°F	1800 A (5S)
Charge Methods: Constant voltage charge @ 25°C /77°F	
Cycle Use	2.38 ~ 2.42V
Max. Current	52.5 A
Standby Use	2.23 ~ 2.27V
Operating Temperature Range	-30 ~ 50°C
Notes: battery voltage must be adjusted according to temperature.	
Please refer to our recommendation.	
Self-Discharge	
2% of capacity declined per month @ 25°C (77°F).	

Typical Applications

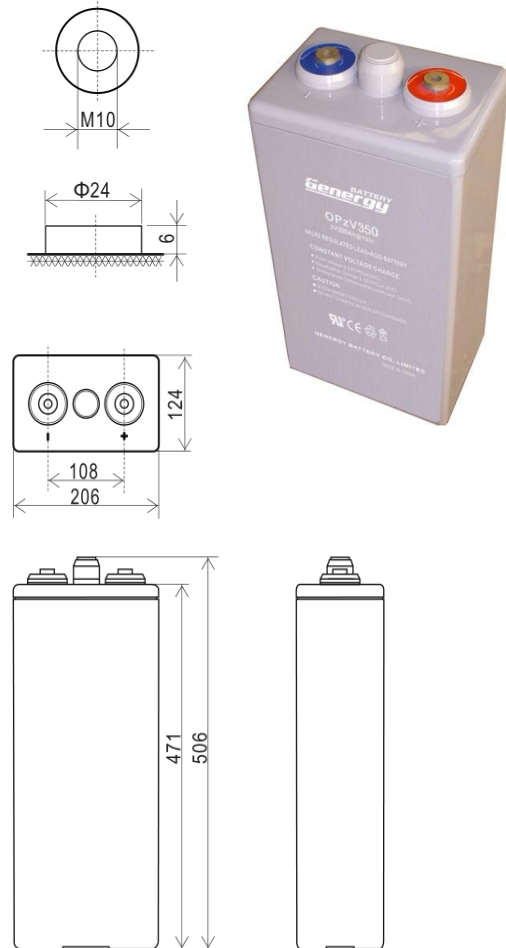
- Solar Energy System
- Wind Energy System
- Power Utility
- UPS/EPS
- BTS system
- Data Center

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

V/cell	15min	30min	1hr	3hr	5hr	10hr	24hr	48hr	120hr
1.65	441	329	207	94	66.2	36.4	17.6	9.8	4.2
1.70	399	299	194	91	62.7	36.1	17.4	9.7	4.2
1.75	376	284	182	90	61.1	35.7	17.3	9.6	4.1
1.80	354	268	179	88	58.6	35.0	17.1	9.5	4.1
1.85	331	243	171	86	57.2	33.1	16.3	9.1	3.9

Battery Picture & Terminal Layout

Terminal Type: T28



Dimension & Weight

Length	Dimension (± 2mm)			Weight (± 2%)
	Width	Height	Total Height	
206 mm	124 mm	471 mm	506 mm	28.5 kg
8.1 inch	4.9 inch	18.5 inch	19.9 inch	62.8 lbs

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

V/cell	15min	30min	1hr	3hr	5hr	10hr	24hr	48hr	120hr
1.65	860	642	411	187	132	72	35.3	19.7	8.4
1.70	778	584	387	181	125	72	35.1	19.6	8.3
1.75	734	553	362	179	122	71	34.8	19.4	8.3
1.80	689	522	355	174	117	70	34.1	19.0	8.1
1.85	645	474	341	170	114	65.8	32.4	18.1	7.7

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Graphs

