

OPzV1200

2V1200Ah / 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 13.2A to 1.80Vpc	1580 Ah
10 hr rate 120.6A to 1.80Vpc	1206 Ah
Internal Resistance	
(Fully charged battery @ 25°C /77°F)	0.22 mΩ
Max. Discharge Current @ 25°C /77°F	6000 A (5S)
Charge Methods: Constant voltage charge @ 25°C /77°F	
Cycle Use	2.38 ~ 2.42V
Max. Current	180 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

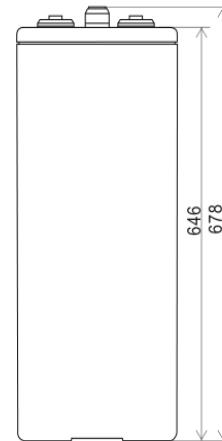
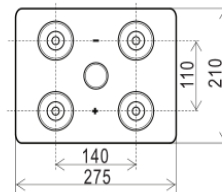
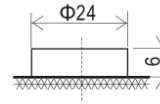
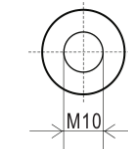
- Solar Energy System
- Wind Energy System
- Power Utility
- UPS/EPS
- BTS system
- Data Center

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

V/cell	15min	30min	1hr	3hr	5hr	10hr	24hr	48hr	120hr
1.65	1512	1128	708	322	227	125	58.3	32.6	13.6
1.70	1368	1026	666	313	215	123	57.4	32.0	13.4
1.75	1290	972	624	308	209	122	56.9	31.8	13.3
1.80	1212	918	612	300	201	121	56.3	31.4	13.2
1.85	1134	834	587	293	196	113	52.7	29.4	12.3

Battery Picture & Terminal Layout

Terminal Type: T28



Dimension & Weight

Dimension (± 2mm)				Weight (± 2%)
Length	Width	Height	Total Height	
275 mm	210 mm	646 mm	678 mm	93 kg
10.8 inch	8.3 inch	25.4 inch	26.7 inch	205.0 lbs

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

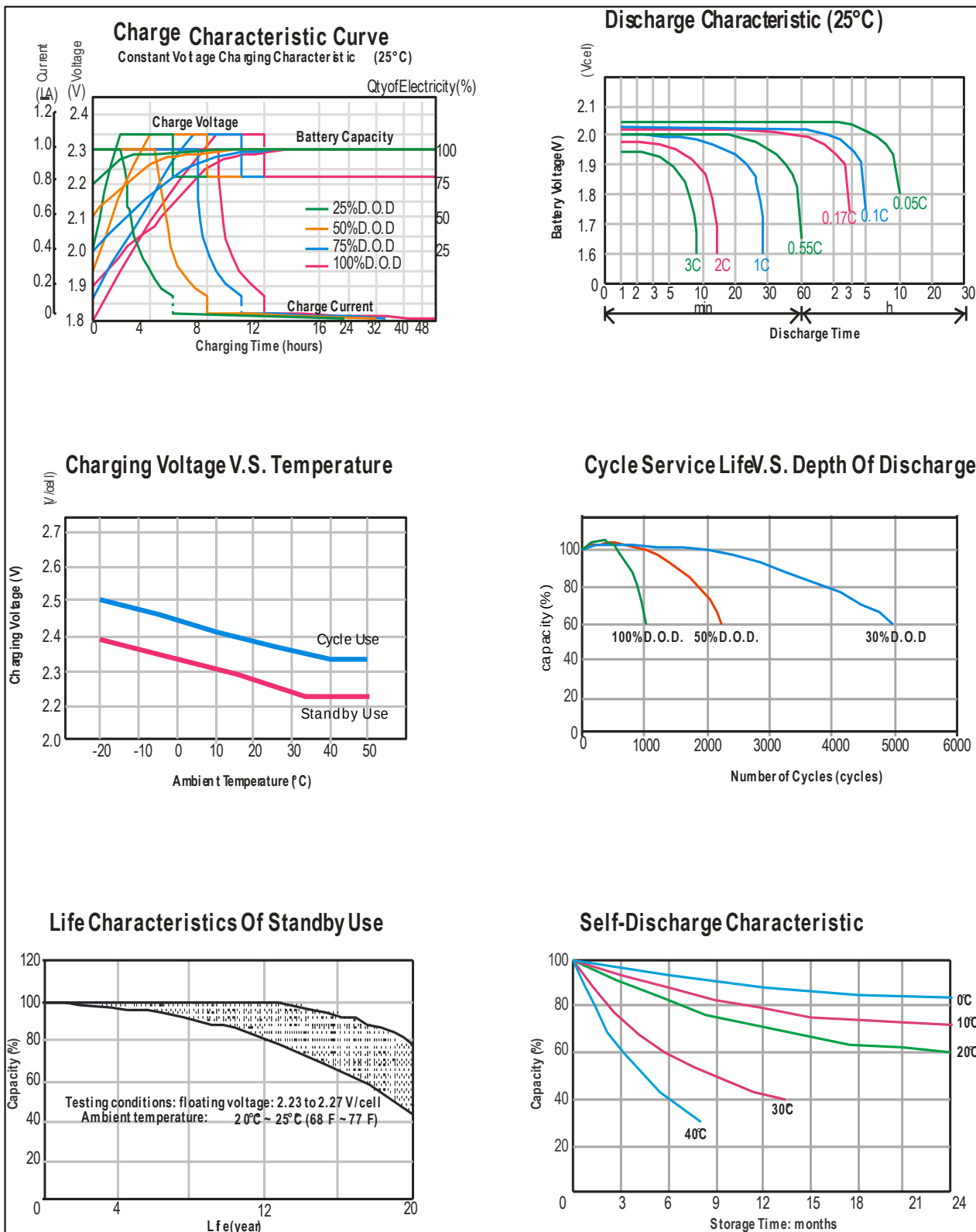
V/cell	15min	30min	1hr	3hr	5hr	10hr	24hr	48hr	120hr
1.65	2946	2196	1416	642	451	248	116	64.5	27.2
1.70	2670	1998	1326	624	428	245	114	63.4	26.7
1.75	2514	1896	1248	612	416	244	113	62.9	26.5
1.80	2364	1788	1218	597	400	239	111	62.5	26.3
1.85	2214	1626	1170	584	390	226	104	58.9	24.8

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Graphs



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

Web: www.genenergybattery.com | Email: sales@genenergybattery.com