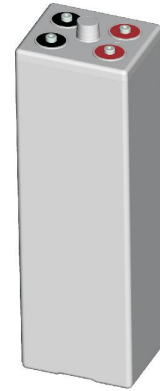




# MAIN NEW ENERGY CO.,LTD

# Tubular Gel Battery OPzV1500 (2V1500AH)

Nominal Voltage	2V	
Capacity	1500.0Ah@10hr to 1.80V/cell	
Dimension	Length	275±3mm (10.8inches)
	Width	210±3mm (8.27inches)
	Container Height	796±3mm (31.3inches)
	Total Height (with Terminal)	831±3mm (32.7inches)
Approx Weight	Approx 115.0 kg (254lbs)	
Container Material	ABS	
Rated Capacity	1500 AH/150.0A	(10hr, 1.80V/cell, 20°C/68°F)
	1285 A H/257A	(5hr, 1.75V/cell, 20°C/68°F)
	1131 AH/377A	(3hr, 1.75V/cell, 20°C/68°F)
	849 AH/849A	(1hr, 1.60V/cell, 20°C/68°F)
Max. Discharge Current	12000A (5s)	
Internal Resistance	Approx 0.3mΩ	
Operating Temp. Range	Discharge : -20 ~ 55°C (-4 ~ 131°F)	
	Charge : 0 ~ 40°C (32 ~ 104°F)	
	Storage : -20 ~ 50°C (-4 ~ 122°F)	
Cycle Use	Initial Charging Current less than 375.0A. Voltage 2.40V~2.50V at 20°C(68°F)Temp. Coefficient -5mV/°C	
	No limit on Initial Charging Current Voltage 2.25V~2.30V at 20°C(68°F)Temp. Coefficient -3mV/°C	
Standby Use		
Self-discharge	<2% pre month @ 20°C(68°F)	



## Applications

- ◆ Solar energy, wind energy
- ◆ Electric power, nuclear power
- ◆ Communication
- ◆ Ship, maritime affairs
- ◆ UPS, medical facilities and emergency lighting
- ◆ Situation with high environmental protection and energy-saving
- ◆ Better safety performance and reliability
- ◆ Designed service life of 20 years

## Main Technical Advantages

- ◆ Plate: positive plate adopts tubular plate which can prevent active material falling, and adopts multi-component alloy frame. have fine corrosion-resisting performance and long service life. Negative plate adopts special radiated structure.
- ◆ Separator: adopt special micro-pore PVC-SiO<sub>2</sub> separator from Europe AMER-SIL Company, separator have big porosity and low resistance.
- ◆ Electrolyte: adopts Germany gas silicon dioxide, electrolyte in gel state in the battery without flowing, leakage and lamination can be avoided.
- ◆ Safety valve: adopt Germany technology, constant opening and closing, accumulator case expansion, damage and electrolyte dry up can be avoided.

## Constant Current Discharge (Amperes) at 20 °C (68°F )

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	876	854	781	666	436	339	233	164	140
1.80V/cell	1077	1034	910	750	479	369	252	175	150
1.75V/cell	1274	1157	970	781	492	377	257	178	152
1.70V/cell	1430	1263	1027	811	504	385	261	180	154
1.65V/cell	1535	1333	1068	834	515	392	265	183	156
1.60V/cell	1606	1381	1095	849	522	396	267	184	157

## Constant Power Discharge (Watts) at 20 °C (68°F )

F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	1629	1605	1492	1288	847	661	459	324	279
1.80V/cell	1968	1916	1722	1442	926	717	493	346	298
1.75V/cell	2288	2114	1817	1491	946	730	501	351	302
1.70V/cell	2522	2274	1903	1538	966	742	507	355	305
1.65V/cell	2660	2365	1960	1572	981	752	513	359	308
1.60V/cell	2730	2414	1989	1588	989	757	517	360	309

# Dimensions

## T11 Terminal

