

Tubular Gel Battery5 OPzV250 (2V250AH)

Specification

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Nomial Voltage	2V				
Capacity	250.0Ah@10hr to 1.80V/cell				
	Length	124 \pm 2mm (4.88 inche			
Dimension	Width	206 ± 3 mm (8.11 inche			
	Container Height	355 ± 3 mm (14.0 inches			
	Total Height (with Terminal)	390 ± 3 mm (15.3 inches)			
Approx Weight	Approx 22.0 kg (48.5lbs)				
Container Material	ABS				
	250 AH/25.0A	(10hr,1.80V/cell,20°C/68°F)			
D / 10 "	219 A H/43.8A	(5hr,1.75V/cell,20°C/68°F)			
Rated Capacity	194.7 AH/64.9A	(3hr,1.75V/cell,20°C/68°F)			
	143 AH/143A	(1hr,1.60V/cell,20°C/68°F)			
Max. Discharge Current	2000A (5s)				
Internal Resistance	Approx 1.1mΩ				
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 62.5A.Voltage 2.40V~2.50V at 20°C(68°F)Temp. Coefficient -5mV/°C				
Standby Use	No limit on Initial Charging Current Voltage 2.25V~2.30V at 20°C(68°F)Temp. Coefficient -3mV/°C				
Self-discharge	<2% pre month @ 20°C(6	8°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

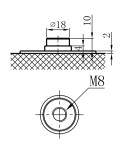
- ◆ Plate: positive plate adopts tubular plate which can prevent active material falling, and adopts multi-component alloy frame. have fine corrosion-resisting performance and long service life. Negative plate adopts special radiated structure.
- ◆ Separator: adopt special micro-pore PVC-SiO₂ separator from Europe AMER-SIL Company, separator have big porosity and low resistance.
- ◆ Electrolyte: adopts Germany gas silicon dioxide, electrolyte in gelstate 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.

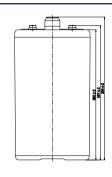
Constant Current Discharge (Amperes) at 20 °C (68°F)									
F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	213.0	194.0	153.0	112.0	76.0	58.4	39.9	27.8	23.4
1.80V/cell	263.0	235.0	178.0	126.0	83.5	63.5	43.0	29.8	25.0
1.75V/cell	311.0	263.0	190.0	131.0	85.8	64.9	43.8	30.3	25.4
1.70V/cell	348.0	287.0	201.0	136.0	88.0	66.3	44.5	30.6	25.7
1.65V/cell	374.0	303.0	209.0	140.0	89.9	67.5	45.2	31.0	25.9
1.60V/cell	392.0	314.0	214.0	143.0	91.1	68.3	45.7	31.3	26.1

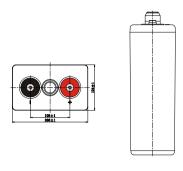
Constant Power Discharge (Watts) at 20 °C (68°F)									
F.V/Time	10min	15min	30min	1h	2h	3h	5h	8h	10h
1.85V/cell	397	365	292	217	148	114	78.4	55.1	46.6
1.80V/cell	480	435	337	243	161	123	84.3	58.8	49.6
1.75V/cell	558	480	355	251	165	126	85.6	59.7	50.4
1.70V/cell	615	517	372	259	168	128	86.7	60.3	50.9
1.65V/cell	648	538	383	265	171	130	87.7	60.9	51.3
1.60V/cell	665	549	389	267	173	130	88.2	61.2	51.6

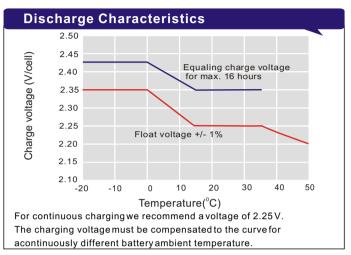
Dimensions

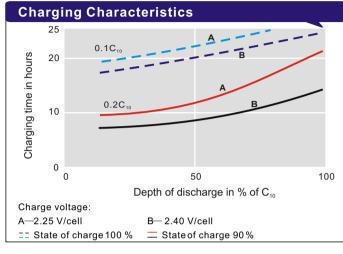
T11 Terminal

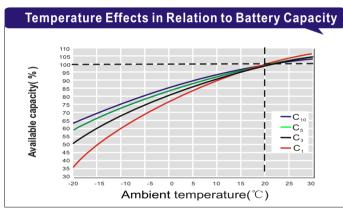


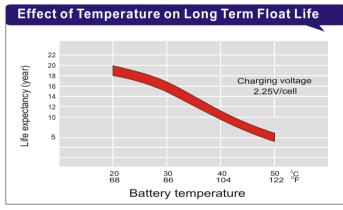


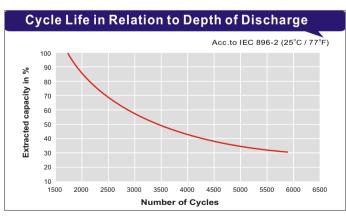


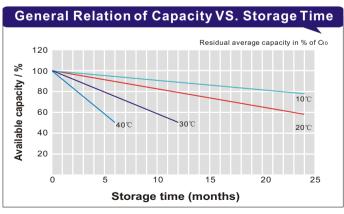












Sales Office

China sales office:

Add:5th Floor,Xinbaohui Bldg.,Nanhai Blvd., Nanshan,Shenzhen, China. 518052 Tel:+ 86-755-86036060 (100 lines) Fax: +86-755-26067269 E-mail:export@leoch.com

North America sales office:

Add: 19751 Descartes, Unit A, Foothill Ranch, CA 92610, USA Tel: 949-588-5853

Fax: 949-588-5966 E-mail: sales@leoch.us

Europe sales office:

Add: 12C Wheatstone Park, Waterwells Business Park, Gloucester, GL2 2AQ. UK.

Tel: +44(0) 1452 751016 Fax: +44 (0)1452-690125 E-mail: Sales.Europe@leoch.com

