

## 790AH 2V Tubular Gel Battery



With superior cyclic life compared to lead acid batteries, tubular gel batteries are some of the best batteries available for projects that require reliable, long lasting batteries. Includes 1 battery connector with copper conductor.

### Main Technical Advantages

- Plate: Positive plate adopts tubular plate which can prevent active material falling, and adopts multi-component alloy frame. Fine corrosion-resisting performance and long service life. Negative plate adopts special radiated structure.
- Separator: Special micro-pore PVC-SiO<sub>2</sub> separator from European AMER-SIL Company. The separator has large porosity and low resistance.
- Electrolyte: Germany gas silicon dioxide, electrolyte in Gel state in the battery, which inhibits any acid leakage.
- Safety valve: Adopts German technology, accumulator case expansion, mitigating potential damage and electrolyte dry up can be avoided.

### Applications

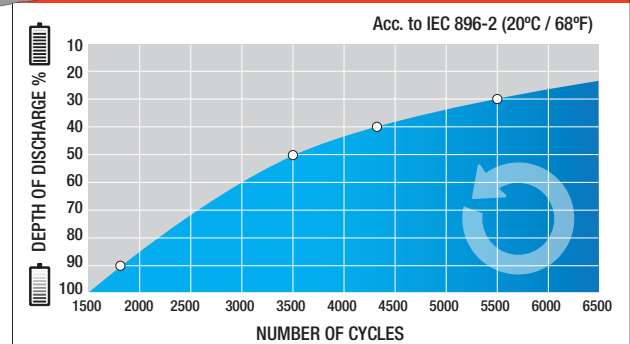
- Solar energy, wind energy
- Electric power, nuclear power
- Communication
- Ship, maritime affairs
- UPS, medical facilities and emergency lighting
- Better safety performance and reliability
- Designed service life of 20 years

Specifications	2V 790Ah Tubular Gel
Nominal Voltage	2V
Capacity	790.0Ah@100hr to 1.85V/cell
Dimensions	Length: 145mm Width: 206mm Container Height: 646mm Total Height (with terminals): 681mm
Weight	Approx. 46.0kg
Container Material	ABS
Rated Capacity (F.V=1.85VPC)	C100 = 790(Ahr) C48 = 750(Ahr) C24 = 674(Ahr) C10 = 600(Ahr)
Max. Discharge Current	2500A (5s)
Internal Resistance	Approx 0.33mΩ
Operating Temp. Range	Discharge : -20~55°C Charge : 0~40°C Storage : -20~50°C
Cycle Use / Bulk Charge	Initial Charging Current less than 120.0A Voltage 2.37V~2.40V at 25°C Temp. Coefficient -5mV/°C
Standby Use / Float Charge	No limit on Initial Charging Current Voltage 2.25V~2.30V at 25°C Temp. Coefficient -3mV/°C
Self-discharge	<2% per month @ 20°C



### 2V TUBULAR GEL BATTERIES

#### LIFE CHARACTERISTICS OF CYCLIC USE



**3 YEAR FULL REPLACEMENT WARRANTY WITH  
48 MONTH PRO-RATA REPLACEMENT WARRANTY**