



# Solar Battery

## 50kWhr 48V Flooded Lead Acid

### Traditional Lead Acid Storage

Storage battery, designed for residential solar power with battery backup. No internal cables required.

### 50kWhr Rating, Compact Footprint

938Ahr rating (20Hr),  
Dimensions: 35.25" x 25.56" x 22.64"

### 5-year or 1500 cycle 80% DOD limited warranty

Manufacturer warranty, pro-rated based on unused portion of remaining warranty

### EASY INSTALLATION

System is delivered pre-wired, ready for 2-wire connection (external breaker recommended)

### Full Metal Case

No concern over electrolyte leakage or case penetration. Attachment ears for forklift lifting.

### 100% Fully Recyclable

Environmentally friendly.

#### Charging Parameters:

Bulk/Absorption: 56.9-58.8V

Float: 52.8-53.5V

Equalization: 61.9-64.1V

#### Fine Print:

Installation not included.

Purchaser is responsible to confirm requirements of local zoning and building code.

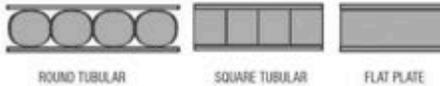
Manufacturer reserves the right to make changes to reflect updates or corrections.

### Long-Life Tubular Lead-Antimony Batteries available in either DIN or BCI Assembly

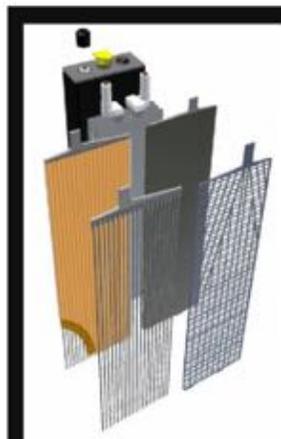


Over the past 10 years the performance of industrial batteries has been improved substantially and particularly the capacity of lead-acid tubular batteries has increased by 10-15%. New battery designs and the enhanced performance of multi-tubular gauntlets have contributed significantly to this improvement.

In a lead-acid tubular cell the positive plate is constructed from a series of vertical lead alloy 'spines' resembling a comb. Lead oxide, the active material, is packed around each spine and is retained by tubes of synthetic material. Woven multi-tubular gauntlets with engineered fabric structure offer higher resistance to chemical oxidation, better energy utilization due to enhanced elastic compression of the active material, and longer trouble-free battery life. Woven gauntlets, by virtue of their particular flexibility in design, material and fabric composition, play an important role in achieving significant material savings, better energy utilization and lower manufacturing costs.



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#### Features and Benefits

- round tube has greater acid circulation than square tube or flat plate positive plates
- Round tubular gauntlets provide superior resistance to active material shedding
- Fully enveloped separators reduce the chance of short circuiting
- Rubber terminal bushings absorb impact and shock
- 1" thick posts with brass insert which connects to a highly conductive copper cell connector that allows for greater operating and charging current loads; ideal for opportunity and rapid charge applications
- Completely insulated copper cell connectors prevent short circuiting and have far less voltage leakage to the truck, this is especially important in higher voltage vehicles
- Acid resistant bolt on cell connectors and cables allow for field replacement of cells and cables by in-house maintenance or field personnel

**Explosive hazard, use only with proper ventilation**

### ABOUT SUNNYCAL SOLAR

We have been providing turn-key solar power systems for more than a decade. From our production facility in Central California, we ship direct to customer sites, and have a network of trained installation contractors.

Find out more

