








# SOLAR BATTERY

## Consumer's Benefits

-  Tall Tubular Conventional batteries provide a steady performance with affordable cost to the customer.
-  Product available in multiple warranty segments ranging from 36 months to 54 months warranty.
-  Environmental friendly aqua trap vent plugs ensuring low acidic fumes.
-  Highly reliable compared to normal flat plate batteries.
-  Perform consistently under any conditions hence suitable for sensitive and heavy applications.
-  Faster charging is one the notable feature in Tubular batteries.
-  Low maintenance – very low water topping up required.

**LONG LIFE  
EXTRA  
BACKUP**

**60\*  
MONTHS  
LIFE**



## Unique Selling Features

- ✓ Advance high surface carbon for enhanced performance.
- ✓ Lowest capacity decay over storage (Self Discharge)
- ✓ High purity spine & grid alloy for ultra low maintenance
- ✓ Optimised negative paste receipt for fast charge acceptance.
- ✓ Leak proof vent plug design
- ✓ Best suitable for PSOC condition

## RANGE OF BATTERIES



Models	Capacity at 27 deg C	Dimension (±3MM)			Weight (Kg±5%)		Volume of Electrolyte (1.220 Sp. Gr)	Initial Charge Minimum AH Input (AH)	Initial Charge at Constant Current (A)		Constant Potential Limiting Current (Amps)	Trickle Charge Current in (mA)	
		Length	Width	Height	Dry	Filled			Liters	Start (Upto 2.3Vpc)		Finish (Upto 2.75 Vpc)	Min.
LSTB 8000	75 AH	504	218	254	18.3	32.5	14.5	7.5	3.7	265	12.5	65	260
LSTB 12000	100 AH	504	218	254	19.3	34	14	10	5	350	16.7	85	350
LSTB 14000	120 AH	500	187	416	28	54	20	12	6	420	20	105	420
LSTB 16500	150 AH	500	187	416	31	57	19.5	15	7.5	525	25	130	520
LSTB 20000	180 AH	500	187	416	35.5	60	19	18	9	630	30	155	625
LSTB 22000	200 AH	500	187	416	38.5	63	19	20	10	700	33.5	175	695
LSTB 24000	220 AH	500	187	416	41.5	66	18	22	11	770	36.6	190	765

\* Refer warranty card for other details

## APPLICATIONS



**BETA ENERGIES**

For Dealer & Distributor's Stamp

# BETA CELL SOLAR TUBULAR BATTERIES



## Technical Specification

Models	Capacity at 27 deg C	Dimension (±3MM)			Weight (Kg±5%)		Volume of Electrolyte (1.220 Sp. Gr)	Initial Charge Minimum AH Input (AH)	Initial Charge at Constant Current (A)		Constant Potential Limiting Current (Amps)	Trickle Charge Current in (mA)	
		Length	Width	Height	Dry	Filled			Liters	Start (Upto 2.3Vpc)		Finish (Upto 2.75 Vpc)	Min.
LSTB 8000	75 AH	504	218	254	18.3	32.5	14.5	7.5	3.7	265	12.5	65	260
LSTB 12000	100 AH	504	218	254	19.3	34	14	10	5	350	16.7	85	350
LSTB 14000	120 AH	500	187	416	28	54	20	12	6	420	20	105	420
LSTB 16500	150 AH	500	187	416	31	57	19.5	15	7.5	525	25	130	520
LSTB 20000	180 AH	500	187	416	35.5	60	19	18	9	630	30	155	625
LSTB 22000	200 AH	500	187	416	38.5	63	19	20	10	700	33.5	175	695
LSTB 24000	220 AH	500	187	416	41.5	66	18	22	11	770	36.6	190	765

\* The height mentioned is upto terminal top

## Lead Acid Solar Tubular Batteries

Models	Capacity at 27 deg C	Dimension (±3MM)			Weight (Kg±5%)		Volume of Electrolyte (1.220 Sp. Gr)	Initial Charge Minimum AH Input (AH)	Initial Charge at Constant Current (A)		Constant Potential Limiting Current (Amps)	Trickle Charge Current in (mA)	
		Length	Width	Height	Dry	Filled			Liters	Start (Upto 2.3Vpc)		Finish (Upto 2.75 Vpc)	Min.
LSB-120 36	120 AH	500	187	416	28	54	20	12	6	420	20	105	420
LSB-170 36	170 AH	500	187	416	31	57	19.5	15	7.5	525	25	130	520
LSB-200 36	200 AH	500	187	416	35.5	60	19	18	9	630	30	155	625
LSB-220 36	220 AH	500	187	416	38.5	63	19	20	10	700	33.5	175	695
LSB-240 36	240 AH	500	187	416	41.5	66	18	22	11	770	36.6	190	765

\* The height mentioned is upto terminal top

## Condition Of Fully Charged

- 3 consecutive hourly reading of specific gravity and voltage become constant
  - Top of charge voltage will be around 16.2V - 16.5V
  - All Cells should be gas freely
  - Minimum Ah has been given
5. Specific Gravity at fully Charged condition 1.240 +- 0.005 at 27 Deg C

### PRODUCT FEATURES

- Long shelf life when left unattended for extended periods
- Acid Resistant Polyester Gauntlets
- Pasted Negative Plates
- High Porosity Envelope Separators
- Tubular Positive Plates
- Micro porous Ceramic Vent Plug

### PRODUCT BENEFITS

- Long design life
- Rugged Performance
- Very low maintenance
- Longer life without charging
- Can handle extreme weather conditions
- More efficient and saves money

