TUBULAR SOLAR BATTERIES
12V @ C10

Livfast Solar Batteries are C_{10} rated deep cycle batteries specially designed for longer back up. Engineered to deliver optimal performance even under deep discharge, these tubular batteries offer exceptional durability and reliability. **Livfast** represents a range of high-technology solar batteries that combine superior performance with consistent service quality—ideal for long-lasting solar energy storage.

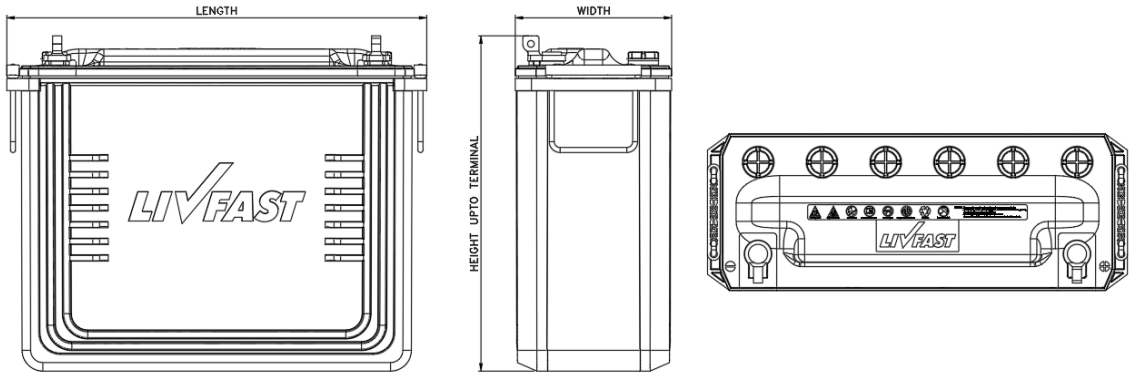
KEY FEATURES

Livfast batteries have following features:

- Longer Cycle Life
- Low Self Discharge Rate
- Efficient Deep Discharge Recovery
- Wide Operating Temperature Range



Dimensional Drawing



General Features

- **Super TUFF Grid Design** with double side pasting for longer battery life.
- **Tubular Plates with Gauntlets,** made of special fabric having ultra-fine pores and high permeability to ensure higher backup and longer life.
- **NAM with Active Carbon:** Increased reaction surface area for higher backup.
- **Futuristic Design:** New-age premium design with durable high quality material.
- **Low Antimony alloy** - Lesser water consumption and reduced water top-up.

Model Range

BrX550PST
50 Ah @ C10
12V | 410 x 175 x 230 mm | 36 months

BrX6150HP
150 Ah @ C10
12V | 505 x 189 x 402 mm | 36 months

BrX6200HP
200 Ah @ C10
12V | 505 x 189 x 402 mm | 36 months

Technical Specifications

Battery Specified Capacity Test @ 27°C						
MODEL NAME	Nominal Voltage (V)	C_{10} Capacity (Ah)	Warranty (in months)	Dimensions (mm) ±3	Filled Weight (kg) ±3%	Gross Weight (kg) ±3%
BrX550PST	12	50	36	410L x 175W x 230H	23.1	23.9
BrX6150HP	12	150	36	505L x 189W x 402H	53.8	55.5
BrX6200HP	12	200	36	505L x 189W x 402H	63.3	65.0

Electrical Parameters**

Battery Specified Capacity Test @ 27°C					
MODEL NAME	C_{10}@10.8V	C_5@10.8V	C_3@10.8V	C_2@10.8V	C_1@10.5V
BrX550PST	50	42	36	32	25
BrX6150HP	150	125	107	95	75
BrX6200HP	200	167	143	127	100

***All test data are based on capacity test conducted on fully charged new battery & under controlled laboratory test conditions @ 27°C @ Sp. Gr. 1.250 till specified cut-off voltage. Capacity may vary based on nature of load & type of tester.*

Ah & Wh Efficiency

Ah Efficiency
More than **93%**

Wh Efficiency
More than **80%**

Recommended Parameters - Ambient Temperature 25°-27°C

Charging Method (CC/CV)	
Max Charging Current	15% of Battery Ah Capacity
Min Charging Current	7% of Battery Ah Capacity
Cyclic Use	14.5V
Float Voltage	13.8V
Bulk Voltage	15.6V

RATE OF SELF DISCHARGE
ON STORAGE

Less than
5%
per month @ 27°C

Benefits

- Manufacturing with **Tubular Technology** which stands for reliable and consistent performance.
- Designed to operate in **partial state of charge** condition.
- Ideally designed for **cyclic application.**
- Superior voltage and energy output profile.
- Excellent charging efficiency.
- Supplied in **factory charged condition** - ensures optimal quality and ready to use.
- Ultra low maintenance.

Applications


ROOF-TOP SOLAR POWER PACK


SOLAR HYBRID INVERTERS


HOME LIGHTING


STREET LIGHTING


RURAL ELECTRIFICATION


OFFSHORE PLATFORMS


SOLAR POWER PLANTS


RAILWAY SIGNALING


TELE COMMUNICATION


NAVIGATIONAL AIDS

DO's

1. Keep the battery top surface clean & dry. Use wet cotton cloth for cleaning.
2. Use petroleum jelly on terminals.
3. Ensure proper connections, proper tightening of fasteners. Always use washer.
4. Use DM Water: Top up electrolyte levels with De-mineralized water only.
5. Replace transportation plugs with float indicator.
6. Check electrolyte level of battery periodically.
7. Charge periodically: If not in regular use, recharge the battery to maintain performance.
8. Keep the battery in a well ventilated area.
9. Always handover a dead or damaged battery to dealer, distributor or authorized recycler.
10. Keep the battery away from children & pets.

DON'T

1. Don't overcharge the battery to avoid overheating which causes reduction in battery lifespan.
2. Don't discharge battery deeply. Frequent deep discharges can harm the battery's performance.
3. Do not add any material to the battery electrolyte.
4. Never add tap water & acid. Use only DM water to maintain electrolyte levels.
5. Do not connect appliances or devices that exceed the battery & inverter's capacity.
6. Never place batteries in airtight enclosures, it requires air ventilation.
7. Do not expose batteries to direct sunlight or high-temperature environments.
8. Do not short circuit the battery terminals to avoid accident.
9. Don't expose the battery to bare flame.