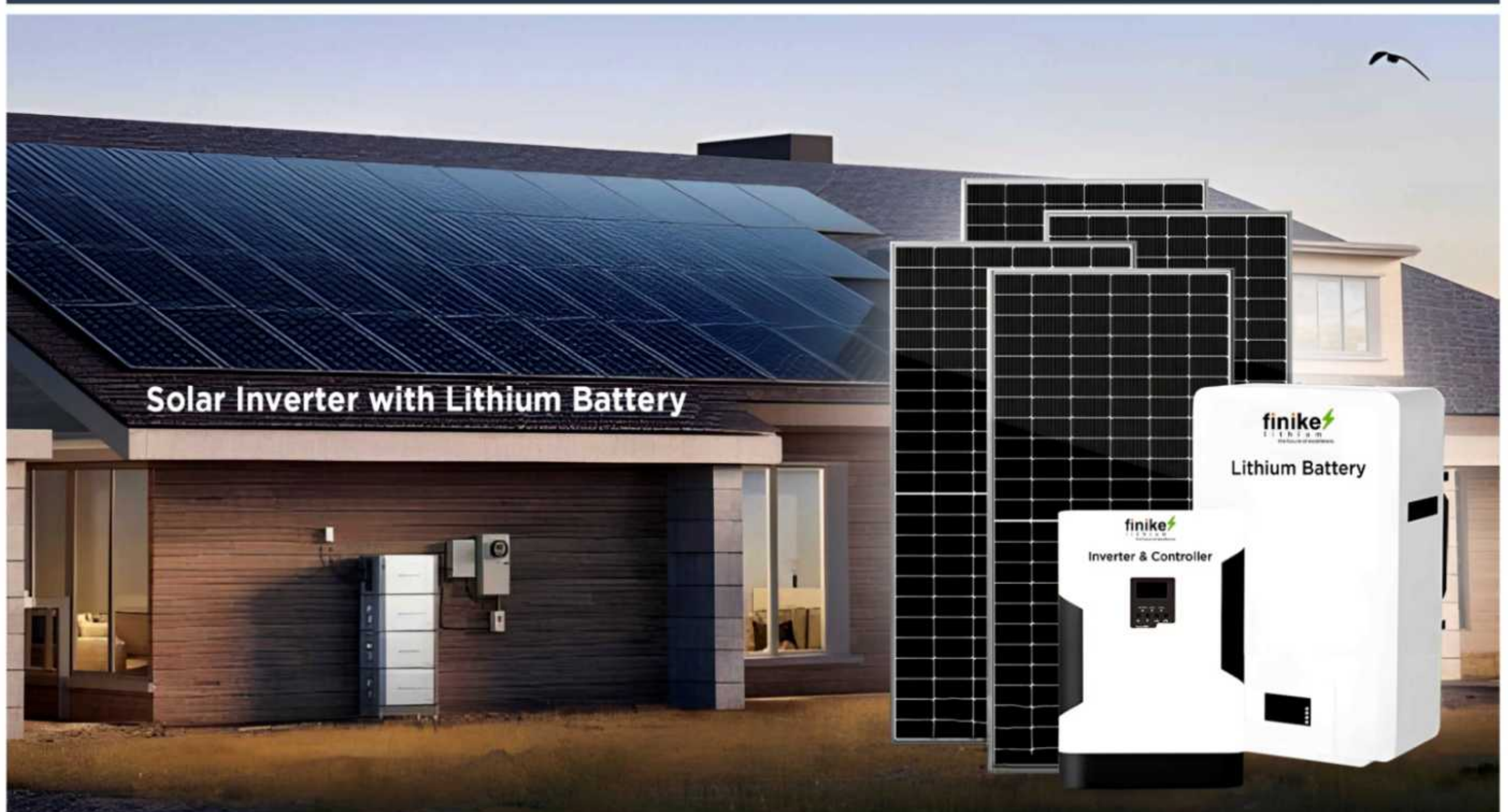




Pure Sine Wave Lithium-Ion Battery

**UPS/INVERTER “ LITHIUM-INBUILT ”**





# Lithium Inverter

Capacity - 1100VA  
Battery Wattage - 1280Wh  
Model LithiPower X1



Capacity - 2100VA  
Battery Wattage - 2560Wh  
Model LithiPower X2

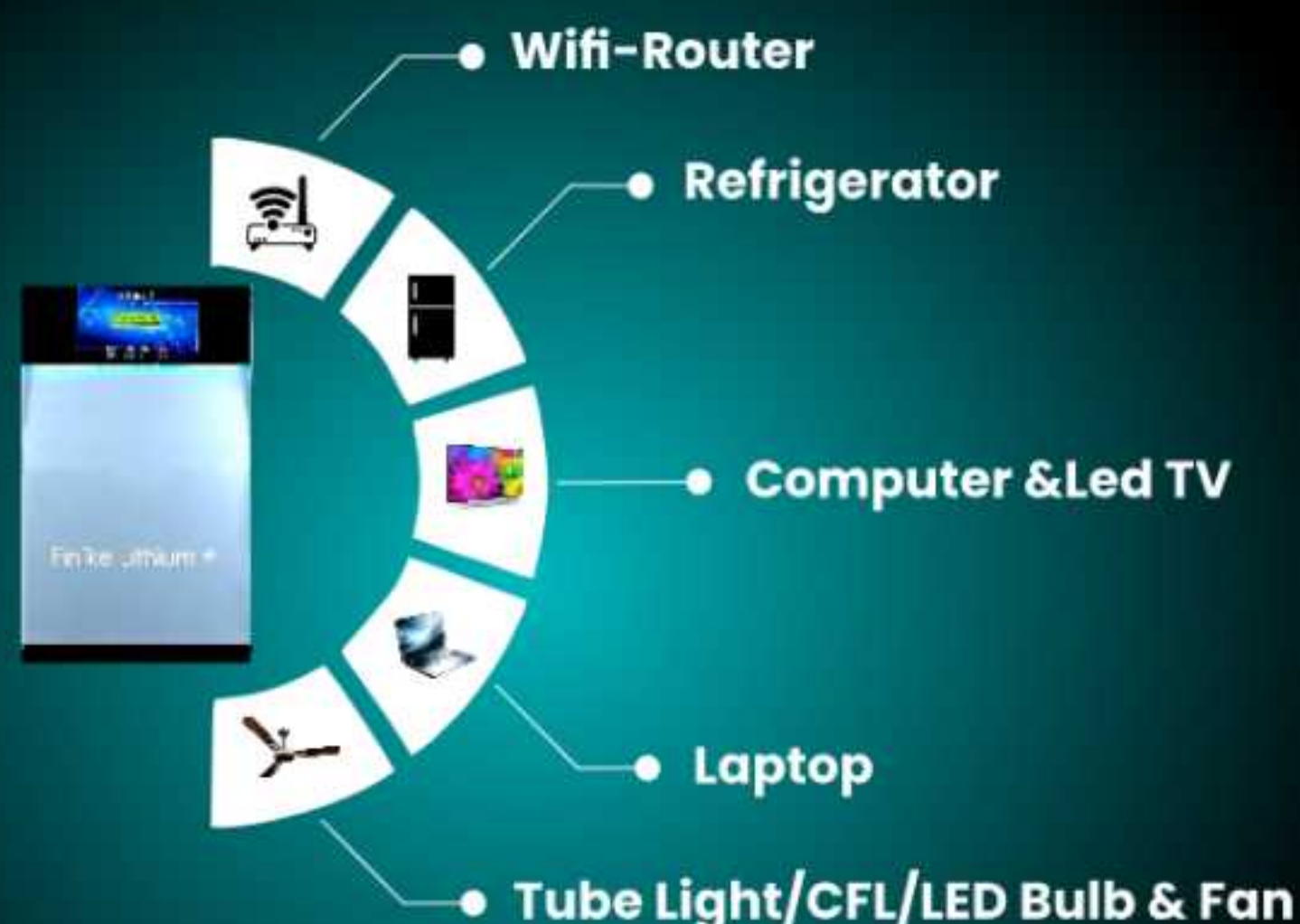
## Finike Lithium "Pure Sine Wave Lithium -Ion Battery UPS/Inverter"

### WHY CHOOSE

LITHIUM ION BATTERY INVERTER OVER LEAD ACID INVERTER BATTERY?

Features	Lead Acid Battery	Lithium Battery
Battery Life	3-5 Years	10-12 Years
Charging Time	10-12Hrs	3-4Hrs
Fumes, Acid Spills	Yes	No
Maintenance	Water Topping Requirement, Cleaning Battery Terminals	Maintenance-free
Ah Capacity	150Ah	100Ah
Charging Cost	3 (Times)	1 (Time)
Cost Efficiency	Replacement After 3-5 years	Replacement After 10-12 years

### Applications



## UPS CUM INVERTER BUYING GUIDE

Home Type	Appliances Type	Finike Lithium 1100VA
1-2 BHK	2-fans ,2tube light, 3-led (9W), 1-TV, 1-Laptop+ Wi-Fi Router	3 to 4 hours
2-3 BHK	3-fans ,3tube light, 3-led (9W), 1-TV, 1-Laptop+ Wi-Fi Router	2 to 3 hours
2-3 BHK	3-fans ,3tube light, 3-led (9W), 1-TV, 1-Laptop+ Wi-Fi Router	1 to 2 hours

### Protections

- Overload
- Low Battery
- Over temperature
- AC & DC MCB
- Short Circuit
- Mains fuse Trip
- Wiring Fault





# HOME INVERTER/UPS- “LITHIUM BATTERY”

	Battery Type	Lithium Iron Phosphate (LiFePO4)	Lithium Iron Phosphate (LiFePO4)
ELECTRIC	Nominal Voltage	12.8V	25.6V
	Type Of Cells	PRISMATIC	PRISMATIC
	Nominal Capacity	100 AH	100AH
	Stored Energy	1280 WH	2560WH
	Cycles	3500 Cycles	3500 Cycles
	MCB Switch	✓	✓
	Energy Efficiency	98%	98%
ELECTRICAL CHARACTERISTICS	Charge Voltage	14.4 V ± 0.2V	28.8 V ± 0.2V
	Charge Mode	CC/CV: Constant Current/Constant Voltage	CC/CV: Constant Current/Constant Voltage
	Standard Charge Current	50A	50A
STANDARD DISCHARGE	Standard Discharge Current	100A	100A
	Peak Discharge Current	200A (2C) only for a few seconds)	200A (2C) only for a few seconds)
SMART BMS FUNCTION	Circuit Protection	Over Charge / Over Discharge / Over Current / Over Temp / Short Circuit.	Over Charge / Over Discharge / Over Current / Over Temp / Short Circuit.
	Communication Interface	CAN, RS485, or Bluetooth (optional)	CAN, RS485, or Bluetooth (optional)
	Cell Balancing	Passive Balancing for Extended Battery Life	Passive Balancing for Extended Battery Life
	Temperature Monitoring	Inbuilt Sensors for Safe Operation	Inbuilt Sensors for Safe Operation
	Remote Monitoring	Remote Monitoring: Mobile App/Web Interface (Optional)	Remote Monitoring: Mobile App/Web Interface (Optional)
ENVIRONMENT	Charge Temperature Range	0°C to +60°C	0°C to +60°C
	Discharge Temperature Range	0°C to +60°C	0°C to +60°C
	Storage Temperature	0°C o +50°C @60±25% relative humidity	0°C o +50°C @60±25% relative humidity
MECHANICAL	Casing Material	METAL	METAL
	Dimensions	L*B*H (mm) 200x163x425	425x163x425
	Weight	14.5 KG	25 KG
	Terminal	ISOLATED	ISOLATED

Lithium Batteries for all type of Inverters/UPS/ESS  
Range (12.8v-51.2V 100Ah-200Ah) **Model-Series-“Volt Edge Pro”**



**\*Customized Battery Packs Available As Per Requirement For Various Sizes.**



## ESS/SOLAR “LITHIUM BATTERY” SPECS (MODULAR)

Designed for compatibility with Various makes of solar inverters

### LiFePO4 51.2V 100AH Solar/ESS

#### Model- SUNVAULT -X5

**Longer Cycle Life:** Offers longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.

**Lighter Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.

**Higher Power:** Delivers Twice Power of Lead Acid Battery, Even High Discharge Rate, While Maintaining High Energy Capacity.

**Wider Temperature Range:** -20°C to +60°C.

**Superior Safety:** Lithium Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.



### Mechanical

Metal Box	MS
Dimensions (L x W x H)	506 X 474 X 256
Approx. Weight	47kgs
Terminal Type	Power Connector 100A

### Environmental

Charge Temperature	0 °C to 55 °C @60± 25% Relative Humidity
Discharge Temperature	-20 °C to 60 °C @60 +25% Relative Humidity
Storage Temperature	0 °C to 25 °C
IP Class	IP 20

### Cell

Type	LiFePO4 Battery
Nominal Capacity	100Ah @0.5C 90 %DOD
Nominal Voltage	3.2V
Dimensions	L-131 x T-40 x H-221mm
Approx. Weight	2.26kgs

### Electrical Characteristics

Normal Voltage	51.2V
Nominal Capacity	100AH
Minimum Capacity	95AH
Energy	5120WH
Cycle Life	>3500cycles @0.5C 80%DOD
Months Self Discharge	<3%
Efficiency of Charge	100%@0.5C
Efficiency of Discharge	96~99%@0.5C
BMS Functions	Over Charge, Over Discharge, Over Current, Short Circuit And Temperature Protection
Communication	RS485/RS232/CAN

### Standard Charge and Discharge

Charge Voltage	57.6V
Charge Mode	(CC/CV)

