

12V 100Ah Battery



Dear Customer,

Thank you for choosing the **Visiontek LFP Inverter Battery**. We truly appreciate your trust in our technology and your commitment to reliable, long-lasting power solutions.

Welcome to the Visiontek family—and thank you for choosing innovation that lasts. Your satisfaction is our top priority.

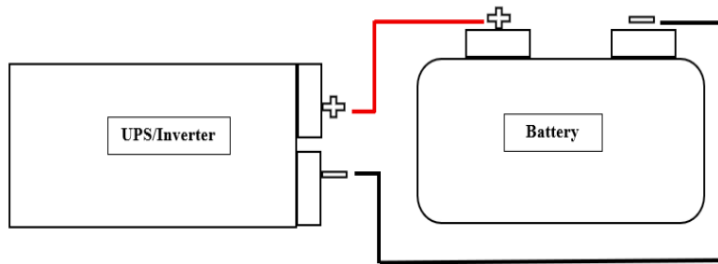
Introduction

The **Visiontek LFP Inverter Battery** is engineered with advanced **Lithium Iron Phosphate (LFP)** technology to deliver reliable, long-lasting, and safe power for all your home. Designed for superior performance and durability, it offers faster charging, higher efficiency, and longer lifespan compared to traditional lead-acid batteries. With zero maintenance and consistent output, Visiontek LFP batteries ensure uninterrupted power and peace of mind for years to come.

Specifications

Model	12V 100Ah
Battery Data	
Cell Chemistry	LFP
Cell Type	Prismatic
Nominal Battery Voltage (VDC)	12.8
Nominal Capacity (Ah)	100
Battery Configuration	4S1P
Operating Voltage(V)	10 - 14.6
Life Cycles (till 80% SOH)	>3500@80%DOD
Standard Charging Current (A)	50
Standard Discharge Current (A)	50
Maximum Discharge Current (A)	80
Charging Temperature[C]	0 ⁰ – 45 ⁰
Discharging Temperature[C]	-10 ⁰ - 60 ⁰
Cont. discharge current	0.8C – 1C
Storage Temperature [C]	25 ⁰ – 45 ⁰
Protection Class	IP65
Battery Dimension	240mm X 145mm X 180mm
Battery Weight [Kg]	9
COMMUNICATION	
Communication Bus	NONE
Compatibility	Amaron, Exide, Livguard, Luminous, Okaya, Microtek and more up to 1100V
OTHER FEATURES	
Battery Poles	M8X10 BRASS INSERT
Protections	Cell over voltage, Under voltage, Low temperature, High temperature, Short circuit, Reverse Polarity
Additional protection	NA
SOC indication	NA

Electrical Connections



- Please follow the above diagram while connecting the battery to UPS/Inverter
- Ensure that the mains and load are disconnected
- Connecting reverse will damage the UPS and as well as the battery
- Do not connect both battery (+) and battery (-) together which leads to short circuit of the battery

Selection of modes in inverter

- Set Manual/Normal mode
- Select Eco/UPS mode based on the loads
- Set the below mode as per the availability:
 1. Li ion
 2. LC
 3. SMF

Note: Please select the above modes as per the availability. If Li ion is available do not consider the other modes, if it is not available select the next priority mode (LC or SMF).

- Set HC mode if current is <50A, If HC is not available choose NC/MC (<50A)

Reference image for selection of modes



Charge Test:






- Make sure there will be no loose contacts in the entire circuit.
- Turn on the mains supply
- Charging LED blinks/remains ON, Mains LED blinks/remains ON in the UPS/Inverter
- Note down the charge voltage
- Note down maximum AC and DC current while charging

- Continue to run for one full charge cycle

Discharge Test:

- Turn off the mains supply
- Note down the discharge voltage value
- Note down the maximum AC and DC load current.

Compatibility test results with different UPS/Inverters

UPS/Inverter	Model No	Power rating (VA)	Battery voltage (VDC)	Modes to be selected	Reference Image
Amaron	HB950A (AAM-HU-HB0000950)	880	12	Quick charge Narrow voltage	
Exide		850	12	HC UPS	
Luminous	Zelio+ 1100	900	12	HC UPS SMF	
Okaya	ATSW 950	850	12	HC UPS SMF	
Microtek	MTK0K23K5S	2000	24	20A UPS LC/FP	

Do's

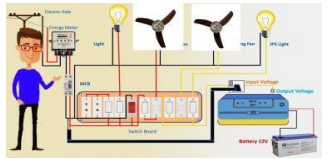

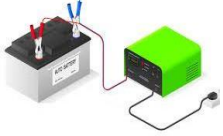
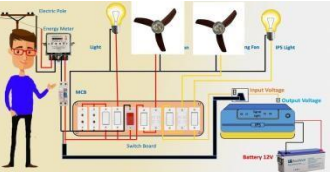

- Ensure the battery is installed in a dry place where there is no direct contact of sunlight and water.
- Fix the lugs tightly using an appropriate tool (Screw gun/TSpanner/Torque Wrench).
- Ensure the UPS/Inverter is compatible.
- Read the user manual carefully.
- Take necessary precautions like wearing hand gloves, safety shoes while giving electrical connections.
- Charge the battery frequently.

Don'ts

- Don't connect battery if it is not compatible with the UPS/Inverter
- Don't install the battery where there is direct exposure of sunlight and water
- Avoid reversing the battery terminal connections.

- Don't select the tubular, flat plate mode on inverter side.
- Avoid direct contact of touching AC supply, while battery is in operation
- Don't use a damaged battery, a damaged UPS/Inverter
- Don't store a deep discharged battery not more than for 72 hours without charging
- Don't overload

Troubleshooting

Error	Description	Solution	Image
Battery goes to 0V after connecting it to UPS	Short circuit	Disconnect the load and wait until the capacitors get discharged Connect + to + and – to –	
Deep discharge state	1. UPS/Inverter is not powering on with the battery alone 2. Battery voltage is not being detected by the UPS/Inverter	Press and hold the reset switch for 2 Seconds.	
Backup is not up to the mark		Wait until the battery gets fully charged Check for loose contacts	
Overload	UPS/Inverter displaying overload	Check for the load ratings of the UPS/Inverter and max discharge current of the battery	
Low battery		Charge the battery	

Integration report

- Integration report must be filled after the installation (the report has been attached in the page no:8)
- Fill all the required details in the integration report and attach the images
- Share the filled integration report to:

WhatsApp: **9966057222**, mail: **care@visiontek.co.in**

Warranty card

Model	S.no
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Customer information

Name:

Mobile:

Invoice no:

Date of purchase:

Vendor information:

Name:

Signature & Stamp:

Mobile:

Date of purchase:

Warranty


- We provide standard warranty of 5 years from the date of purchase. Keep your physical warranty card and invoice safe.
- Warranty is applicable for the goods purchased from the authorised dealer also only for the goods having manufacturing defects.
- In case of replacement remaining warranty will be transferred to the replaced goods. No new warranty will be issued.

Warranty Exception clause

Any of the following situations will not be covered by our warranty policy:

- Damage incurred by nature/customer/any third party.
- Water ingress cases
- Damage caused by faulty electrical systems, improper handling, servicing by unauthorized dealers/technicians, wilful abuse, destruction by fire, collision.
- Improper usage /additional fitment than specified by the manufacturer.
- Usage beyond the specification range.
- Breakage of container and cover found to have additives, dopes or anything other than battery degradation.
- Defective parts must be returned to company because they are property of company.
- Removal, obliteration (or) alteration of original barcode/QR code sticker.
- In case of any battery model being discontinued by the company, company reserves the right to settle warranty with alternate/ equivalent model battery.
- Logistics cost for movement for repair of batteries from Client/Dealer to Visiontek service Centre or to plant under Client Scope.
- Same Logistics for Movement of repaired or replacement of batteries from Visiontek Service Centre or Plant to client/Dealer Location under Visiontek Scope.

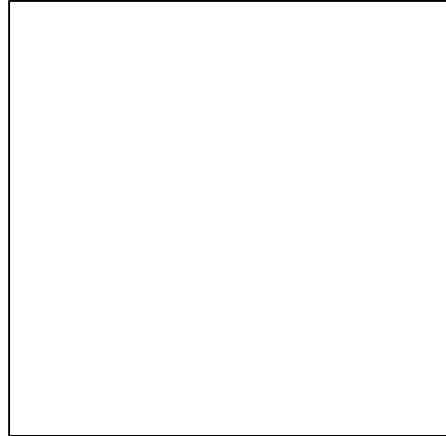
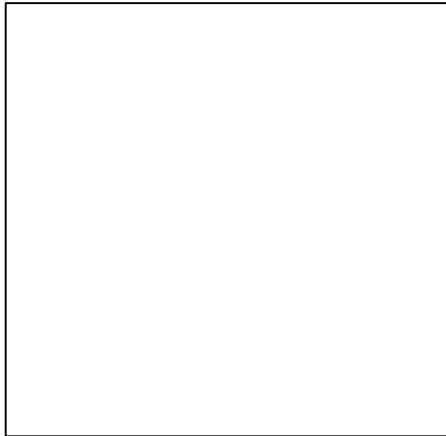
Integration report

		Battery Installation Data	
S.No	Description	Data	
1.	Date of installation		
2.	Place of installation		
3.	Dealer/customer name		
4.	Battery Model		
5.	Battery serial number		
6.	Inverter/UPS brand		
7.	Inverter/UPS Model		
8.	Inverter / UPS Capacity		
9.	Type of load		
10.	Installer Name		
11.	Installer Contact Number		
12.	Warranty Start Date		
13.	Warranty End date		
14.	AC input Voltage (Mains)		
15.	AC Output Voltage (Load)		
16.	Max. current while charging (A)	AC:	DC:
17.	Max. current while discharging (A)	AC load:	DC current:
16.	Send Installation Front view photos	<input type="checkbox"/> Tick the box after sending	
17.	Send Installation Back view photos	<input type="checkbox"/> Tick the box after sending	
18.	Remarks / Observations		

Installer Signature

Dealer signature/stamp

Customer Signature



Scan for user manual

Contact Address:

LINKWELL TELESYSTEMS PVT.LTD

B-45&46; Electronic Complex, Kushaiguda,
Hyderabad – 500062.

Telangana, INDIA.

Ph: 040-66388235

For Customer Care Contact:

Ph: 9966057222

Mail: care@visiontek.co.in

Regd Office:

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1-11-252/1B, Behind Shopper's Stop

Begumpet, Hyderabad-500016.

Telangana, India.

Ph: 040-66388000

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