

**WAAREE | ESS**  
**YOUR POWER INSURANCE**



LITHIUM BATTERY |

[www.waareess.com](http://www.waareess.com)

# INDIA'S LEADING

## LITHIUM ION BATTERY MANUFACTURER

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### ABOUT US

Waaree ESS offers end to end solutions for energy storage including energy power station, commercial ESS, Street Lamp System & many more. Waaree's ESS technology is enabled to meet almost every need of its users and also delivers customized solutions for different purposes of electric power market. Our ESS provides the economy as well as strong reliability through its long-lasting life, safety and excellent performance. Waaree ESS aids in various ESS solutions, residential, utility & commercial, applicable to your everyday life, leading the solar energy industry. A smart choice for today & tomorrow, Waaree ESS is creating the world of solar energy with environment-friendly production of electric power and its smart use. Everywhere in the world – your home, power plant, large-sized office and mobile base station, ESS goes with your everyday life.



# OUR PRODUCTS

**WAAREE | ESS**  
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## Liger Series

ESS Power Range Greater Than 10 KW



## Lion Series

ESS Power Range Less Than 10 KW



## Lynx Series

24V, 48V, 60V, 72V and 96V of 5-10 KW (EV Battery)



## Lit Series

12.8V-25.6V of 6Ah to 160Ah



# WAAREE LITHIUM-ION CELLS

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## LITHIUM-ION CELL CYLINDRICAL AND PRISMATIC

In-house Cell Testing, Gradation & Safety Testing enabling Pack Assemblers easy availability of Authentically sorted cells.

### MODEL DETAILS

Cell Chemistry	Cell Voltage (V)	Nominal Capacity (Ah)@C1
Cylindrical Cell		
LFP	3.2	6
NMC	3.7	2
NMC	3.7	2.2
NMC	3.7	2.55
NMC	3.7	2.6
NMC	3.7	2.9
NMC	3.7	3
Prismatic Cell		
LFP	3.2	50
LFP	3.2	80
LFP	3.2	100

Terminal Type: XX = NI Bolt Type LI Laser Welding Type

### FEATURES

- Excellent Thermal Stability
- Good Charging Performance at High Temperature (upto 70°C)
- Extremely low self discharge rate
- Above 4000 life cycle
- Safe & Reliable
- No dissipation & memory effect
- Environment Friendly (No Toxic metals & No Carcinogens)
- Multiple pack configuration available for all cell models



Excellent Thermal Stability



Extremely low self discharge rate



Safe & Reliable



Environment Friendly



# WAAREE LITHIUM-ION BATTERY PACK

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## SMART LITHIUM-ION SMALL BATTERY PACK

Customized Battery Packs with High Precision BMS & Automated Robust Assembly with Hi-grade Cells.

## MODEL DETAILS

Cell Chemistry	Nominal Voltage (V)	Nominal Capacity (Ah)
LFP	6.4	6-100
	12.8	6-100
	25.6	6-100
	51.2	6-100
NMC	36	5-10
	48	24-30
	60	20-30
	72	24-68



Lightweight & Compact



Environment Friendly



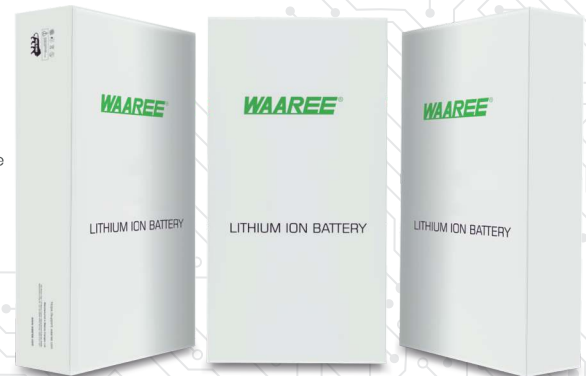
Fast Charge-Discharge with Large Current



Long Storage Life

## FEATURES

- Lightweight & Small in Size
- Fast Charge-Discharge with Large Current
- Wide Operating temperature
- No Memory Effect
- Environment Friendly
- Long Storage Life
- No maintenance required
- Customizable shape & sizes
- Efficient Battery with True Capacity

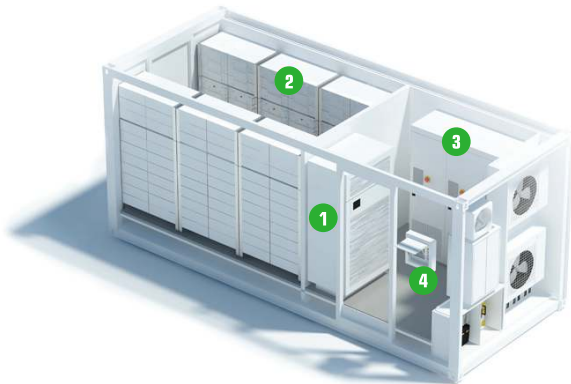


# WAAREE LITHIUM-ION BATTERY

## UTILITY SCALE

### LITHIUM-ION BATTERIES FOR UTILITY SCALE STORAGE SOLUTIONS

In-house EPC capabilities for Large Scale Storage with High Performance Cells of Various Chemistries such as LFP, NCM, Li-Metal, LTO, NCA, LMO etc.



- 1 The Battery Inverter Output: from 100kW
- 2 Battery System Capacity: from 100kWh to 2 MW
- 3 PV-Inverter Power range starting from 100 kW
- 4 Qinous Energy Management System (EMS)+Remote monitoring

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## FEATURES

- Efficient Battery Management System
- High rate discharge Capability
- Excellent Capacity Retention in Cyclic Applications
- High DOD, More Cycles & Longer Service Life
- Environment Friendly
- High Energy Density / Compact Design
- Zero Maintenance
- Support RS232, RS484 & other Cloud Management Platforms
- Battery Energy Conversion Efficiency up to 96%
- Attractive Payback
- Fast Recharge @1C rate

## APPLICATIONS

- Frequency Regulations
- Peak Shaving
- Peak Demand Compensation
- Micro Grids
- Mini Grids
- Sub Station Backup Storage

# WAAREE LITHIUM-ION BATTERIES

## FOR 2-Wheelers & E-Rickshaws

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### LITHIUM-ION 2-WHEELERS & E-RICKSHAWS BATTERIES

Confirming to Highest Safety Standards, EV Battery Packs are designed for rough Indian Roads, Temperatures & Fast Charging.

### MODEL DETAILS FOR E-RICKSHAWS

Cell Chemistry	Nominal Voltage (V)	Nominal Capacity (Ah)
LFP	51.2	80
	51.2	100
	51.2	160

### MODEL DETAILS FOR 2-Wheelers

Cell Chemistry	Nominal Voltage (V)	Nominal Capacity (Ah)
NMC/LFP	48	24-30
	60	20-30
	72	24-68

### FEATURES

- Quick Charge
- 100% Charge / Discharge Efficiency
- No Maintenance
- IP-65 Compliant
- Plug & Play Battery
- Built-in BMS for Protection
- Eco-Friendly
- Customizable Enclosure
- Digital Display Available (SOC)
- GPS
- Easy Swapping



High Energy Density



Fast Charging Application



Long Storage Life



Light Weight & Small in Size



# LOCATED PAN INDIA

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The map shown here is just for representation purpose and not to the scale. The map updated as on Dec-2022

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