



We, Panacea Alloys Pvt. Ltd., under the brand name- 'UNION' manufactures of 'Lithium Ion Batteries' used in various applications such as in **Cleaning machines, Golf carts, Automated Guided Vehicles, Drones, UPS systems, Inverters, E-Bikes & Rickshaws, Material handling equipment such as trolley trucks, Pallet trucks, E-Tugs, Lifting jacks/pallets, solar panels for power generation etc.**

We have positioned ourselves to meet the demanding needs of the Global Industrial Battery Market in a Unique manner.

We manufacture and supply both cell chemistries such as- LFP as well as NMC in metallic containers as well as according to the customer's requirement.

Lithium iron phosphate (LiFePO_4), lithium manganese oxide (LiMn_2O_4 spinel, or Li_2MnO_3 -based lithium-rich layered materials, LMR-NMC), and lithium nickel manganese cobalt oxide (LiNiMnCoO_2 or NMC) may offer longer life and a higher discharge rate.

NMC and its derivatives are widely used in the electrification of transport, one of the main technologies (combined with renewable energy) for reducing green-house gas emissions from vehicles.



APPLICATIONS



Golf Cart

Customized design with CAN 2.0, smart BMS and RS 485.

Batteries are available in:

48V - 100Ah / 200Ah / 300Ah

60V - 100Ah/ 200Ah/ 300Ah

72V - 100Ah/ 200Ah/ 300Ah.

Trolley Trucks and E- Tugs

Customized design with CAN 2.0,
smart BMS and RS 485.

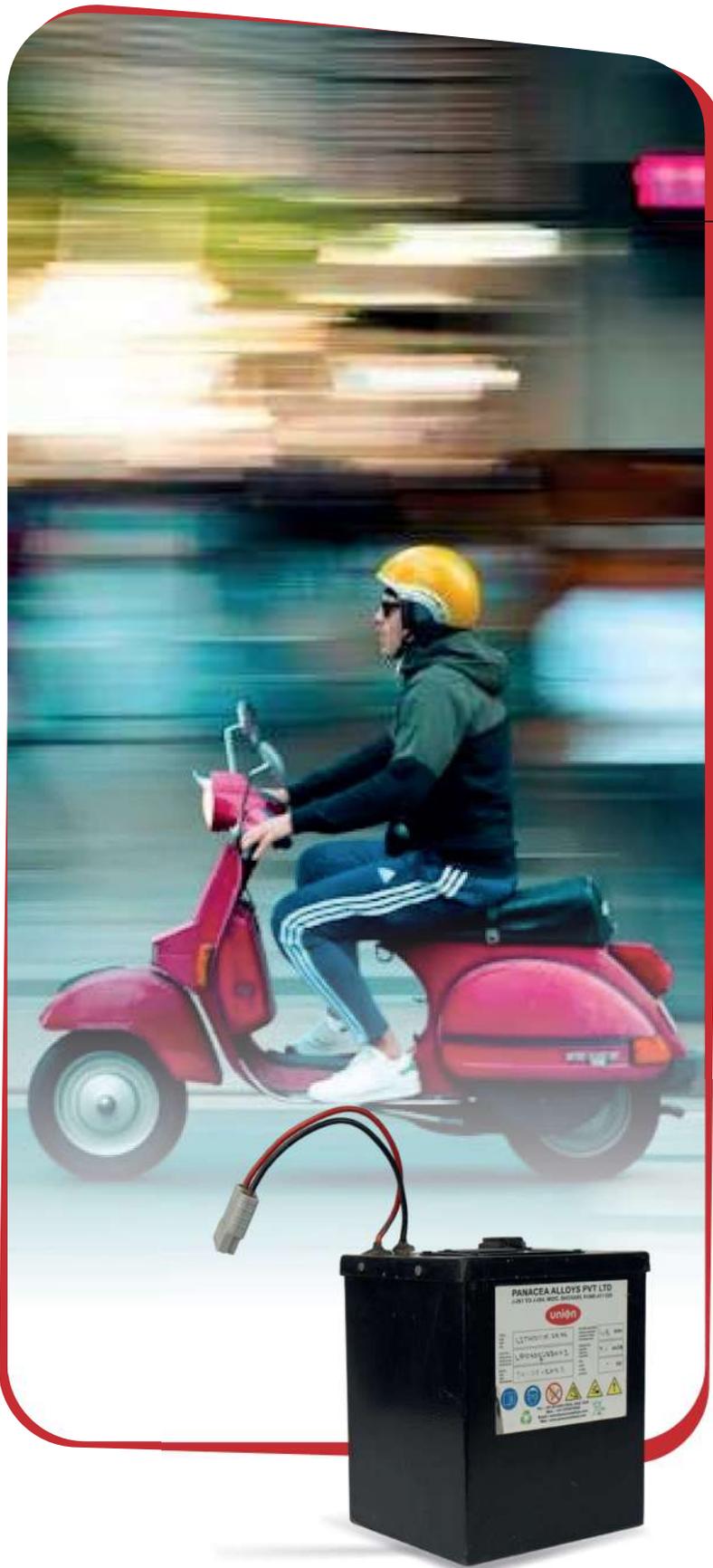
Batteries are available in:

24V - 12Ah / 18Ah / 24Ah / 36Ah/ 54Ah





APPLICATIONS



E- Scooters and E- Bikes

In LFP, we have wide range of batteries used in this application.

Batteries are available in:

- 48V** 24Ah / 30Ah / 36Ah / 42Ah / 48Ah / 54Ah / 60Ah.
- 51.2V** 24Ah / 30Ah / 36Ah / 42Ah / 48Ah / 54Ah / 60Ah.
- 60V** 24Ah / 30Ah / 36Ah / 42Ah / 48Ah / 54Ah / 60Ah.
- 72V** 24Ah / 30Ah / 36Ah / 42Ah / 48Ah / 54Ah / 60Ah.

In NMC, we have wide range of batteries used in this application.

Batteries are available in:

- 48V** 24Ah / 26Ah / 28Ah / 30Ah / 34Ah / 36Ah / 40Ah / 44A / 50Ah.
- 51.8V** 24Ah / 26Ah / 28Ah / 30Ah / 34Ah / 36Ah / 40Ah / 44A / 50Ah.
- 60V** 24Ah / 26Ah / 28Ah / 30Ah / 34Ah / 36Ah / 40Ah / 44A / 50Ah.
- 63V** 24Ah / 26Ah / 28Ah / 30Ah / 34Ah / 36Ah / 40Ah / 44A / 50Ah.
- 72V** 24Ah / 26Ah / 28Ah / 30Ah / 34Ah / 36Ah / 40Ah / 44A / 50Ah.



APPLICATIONS



Cleaning Machines

Customized design with CAN 2.0, smart BMS and RS 485.

Batteries are available in:

25.6V - 60Ah / 100Ah / 200Ah / 300Ah.

48V - 60Ah / 100Ah / 200Ah / 300Ah.

Portable Batteries for data transfer

Customized design with smart BMS and RS 485.

Batteries are available in:

12.8V - 2.6Ah / 5.2Ah / 7.8Ah.

24V - 2.6Ah / 5.2Ah / 7.8Ah.





APPLICATIONS



E- Cycles

Customized design with CAN 2.0, smart BMS and RS 485.

Batteries are available in:

36V - 8Ah / 10Ah / 13Ah / 16Ah.

AGVs & Robots

Customized design with CAN 2.0, smart BMS and RS 485.

Batteries are available in:

48V - 100Ah / 200Ah / 300Ah.



Forklift

Customized design with CAN 2.0, smart BMS and RS 485.

Batteries are available in:

**24V/ 30V / 48V / - 60Ah to 1000Ah.
72V / 80Ah**



Solar Batteries

Customized design with BMS.

Batteries are available in:

12V - 6Ah / 12Ah / 18Ah / 24Ah / 30Ah.

25.6V - 6Ah / 12Ah / 18Ah / 24Ah / 30Ah

UPS and Inverter Batteries

Customized design with smart BMS.

Batteries are available in:

12.8V - 100Ah / 200Ah / 300Ah

25.6V - 100Ah / 200Ah / 300Ah

48V - 100Ah / 200Ah / 300Ah.

