



# TROLLEY MOUNTED LITHIUM FERRO PHOSPHATE BATTERY BANK

GREEN ENERGY SOURCE FOR RUGGED USE

## SIGMA STANDS FOR QUALITY AND INNOVATION

The strength of Sigma lies in its highly competent and committed professionals who are engaged in the indigenous development of Equipment & Accessories for Mining & Engineering Industry.

Sigma always believes in first identifying the end use requirements and the problems associated with it, of the customer. We then design with the help of their experience.



### DESIGNED AS A GREEN ENERGY SOURCE

- Reduces the usage of fuel hence making it ecofriendly.
- Pollution Free.
- Noise Free.
- Can be coupled with any existing system.



### MONETARY SAVINGS

- Backup time of 12 hrs. reduces usage of fuel.
- Fast charging of less than 5 hrs.



### CUSTOM BUILT AS PER SPECIFIC REQUIREMENT

- Sigma specializes in designing the Equipment tailor made to meet the end use requirements. The capacity of the
- batteries, invertors and IOT for real time data can be customized as per the need of the customer.

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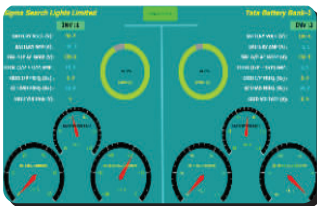
## MAJOR TECHNICAL FEATURES

- Four wheeled trolley for easy shifting.
- IoT enabled for real-time data review.
- External meters for easy reading of data.
- Easy connectivity with plugs and sockets
- Separate charging station with 3 phase input supply and 2 phase output for the two batteries.

## TECHNICAL DATA

BATTERY	96V 160AH / 200AH LITHIUM FERRO PHOSPHATE BATTERY PACK.
INVERTER	5 KVA / 8KVA INVERTER SYSTEM
CHARGING TIME	4 - 5 HRS. APPROX.
DISCHARGING TIME	12 HRS. BACKUP APPROX.
LIFE TIME OF BATTERY	2000 CHARGING CYCLES
WEIGHT (KG)	800 KG APPROX.
DIMENSION (MM)	3200 MM X 1950 MM X 1900 MM APPROX.

## ADDITIONAL FEATURES



- External charging station for 3ph/1ph power source.
- Additional Charger provided when the batteries are deep discharged.
- Exhaust fan to dissipate the heat inside the enclosure
- I/O on/off through IoT.

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