

eRickshaw Battery

LFP / NCM



**Remote Battery
Lock / Cut off**



**Smart Phone
Connectivity**



**Quick
Charging**



**Mobile Phone
Charging Port**



**Theft Protection-
GPS Tracking**



**Digital
Display**



**Plug n Play
Module**



**Swappable
Battery**

**Long Battery Life
3,00,000 Kms**

**Long Mileage Cover
103 Kms / Charge**

**Low Running Cost
32 Paisa / Km**



eRickshaw Batteries are available in Li-ion & LFP, cylindrical and prismatic variants, well designed as per Indian environment and road conditions.

Cost effectiveness, standardization, portability make these batteries compatible with Government of India e-mobility policies.

Battery / Enclosure dimensions / Shapes / Capacities can be customized as per vehicle requirements.

SALIENT FEATURES

- ⚡ Eco friendly
- ⚡ Quick charge
- ⚡ Plug and Play battery
- ⚡ Built in BMS for protection
- ⚡ 100% charge/discharge efficiency
- ⚡ No maintenance
- ⚡ Customizable enclosure
- ⚡ Digital Display

PROTECTION

- ⚡ Shock absorption
- ⚡ Over temperature cut-off
- ⚡ Over voltage cut-off
- ⚡ Short circuit protection
- ⚡ Reverse polarity
- ⚡ Over charge/discharge Cut-off

Battery Management System With Digital Display

Our dynamic /smart BMS is specially designed for rechargeable lithium battery packs to enhance efficiency and performance of complete solution.

This communicative BMS monitors, all cells current and voltage fluctuations in pack and temperature of pack.

Display of all parameters prompt to take required actions timely.


Available in two models, one with elaborated information and other is basic.

Dynamic BMS Features

- ⚡ SOC/SOH
- ⚡ Programmable
- ⚡ Active balancing feature
- ⚡ Individual cell monitoring
- ⚡ Temperature monitoring
- ⚡ Short circuit protection
- ⚡ GPS communicative BMS
- ⚡ Under/over voltage protection at cell & pack level
- ⚡ Over current protection (charge, discharge)

Smart BMS Features

- ⚡ SOC/SOH
- ⚡ Voltage display
- ⚡ Current display



Vpack: 49.79V	T_Max : +19 °C
I_chg: 0.00A	T_Min : +18 °C
SOC : 48%	

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OPTIONAL FEATURES

- ⚡ Communicative BMS
- ⚡ CAN Compatible
- ⚡ Swappable Battery
- ⚡ Portable Charger



Technical Specification

Sr. No.	Parameters	Factor	Unit
1	Series		
2	Models		
3	Voltage Cut-off (Operating Voltage Ranges)	Upper	V
		Lower	
4	Conitnuous Discharge Current		A
5	Charge Current		
6	Internal Resistance		mΩ
7	Peak Discharge Current	Pulse for 5s	A
8	Compatible Motor		W
9	Dimensions	l x w x h	mm
10	Operating Temperature	Charging	°C
		Discharging	
11	Charging time (CC/CV)		hr
12	Weight		kg
13	Mileage **	Total	km
		Average Per charge	
14	Running Cost		Rs. / km

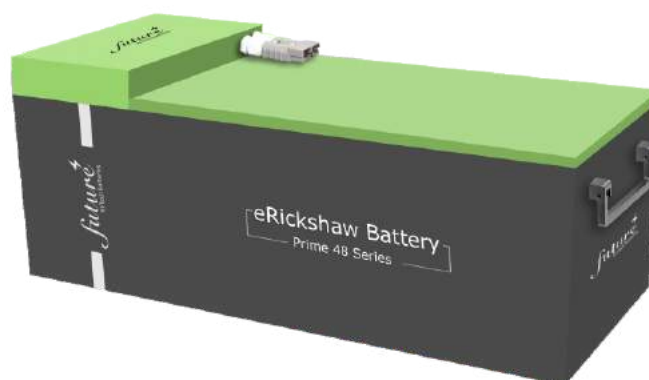
*Flexible. Values may vary.

*Communication Optional

*IP Option Available

*Connectors - Anderson

**Tested under ideal conditions



48 V 60 Ah (3 Kwh)		48 V 80 Ah (4 Kwh)		48 V 100Ah (5 kWh)	
Grand	Prime	Grand	Prime	Grand	Prime
FP091	LH140	FP052	LH141	FP048	LH088
58.4	58.8	58.4	58.8	58.4	58.8
40	39.2	40	39.2	40	39.2
60		60		60	
20		20 to 30		20 to 30	
80	120	80	120	80	120
90	90	90	90	90	90
1000		1000		1000	
400 x 260 X 240		620 x 260 x 240		650x310x230	
0 ~ 45		0 ~ 45		0 ~ 45	
-20 ~ 60	0 ~ 45	-20 ~ 60	0 ~ 45	-20 ~ 60	0 ~ 45
3 ~ 4		3 ~ 4		3.5 ~ 4.5	
30	23	42	31	47	40
1,82000	51,000	2,43,000	63,000	3,05,000	79,000
55		75		95	
0.35	0.97	0.32	0.97	0.32	0.97



The future lies with
Future Hi-Tech

We are committed to deliver world class energy solutions in a safe, reliable, efficient and environmentally sound manner.

We are certified for the essential parameters of the industry which includes:

ISO 9001 | ISO 14001 | ISO 18001 |  |  | CE | FCC

Further we are empanelled with following agencies:

DRDO-SASE | BEL | COD
& many more

MNRE Channel Partner

ICAT / ARAI / BIS

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