# Four Wheeler Battery LFP / NCM

## **SALIENT FEATURES**

- ► High life cycle
- ► Fast charging
- High discharge rate
- Current sharing through wire bonding
- ► Inbuilt thermal management
- High energy density
- Communicative from cell to pack to chassis level

## **PROTECTION**

- Explosion proof
- Dust proof
- ► Fire proof
- ► Leakage proof
- Water resistant
- ► Fuse protection
- Over and under values protection
- Overall vehicle system protection





**eFour Wheeler battery** solutions are also available using automotive grade cell brackets and components, current sharing design with wire bonding technology. Fuse protection at single cell level, voltage insulation and inbuilt Thermal Management System is designed as per vehicle's requirement. Glass Fibre Heating sheet is used for heat dissipation and heating plate acts as safety valve. Approved through a series of tests like Vibration, Nail Penetration, High Temperature Ageing, Extrusion etc makes it best for any kind of four wheeler.

#### **4W Lithium Batteries**

No.	Description		Parameter	Unit	EB011
1.	Single Cell				INR26650-50A 3.6 V 5.0Ah
2.	Combination Configuration				40S24P
3.	Model		48 Cells Module		
4.	Nominal Voltage			Vdc	144
5.	Nominal Capacity			Ah	120
	Current	Max. Continuous Discharge		_ A	120
6.		Charge	2		60
7.	Voltage Range			Vdc	110~168
8.	Energy kWh			kWh	17.28
9.	Charging protection voltage of cell(V)			Vdc	4.23
10.	Discharging protection voltage of cell				2.6
11.	Installation Position				Under Passenger Cabinet
12.	Cooling Method				Natural Cooling
13.	Total Weight			kg	139
14.	Dimensions		LxWxH	mm	1235 x 685 x 194
15.	Operating Temperature		Charging	°C	0~45
15.	Operating Temperature		Discharging		-20~55
16.	Cell Balancing	Yes			
17.	Communication				CANBUS

1.	Vehicle Type			Pure electric passenger car
2.	Compatible Motor		Туре	Brushless (BLDC) or DC Induction
3.	Charging Time	Fast charging ~60 A	Hrs	2~3
		Standard ~30 A		4~5
4.	Max. Speed pickup		km/h	≥ 100
5.	Mileage	Per charge @ (60 km/h)	km	≥165
6.	Load carrying capacity		Nos.	4 persons



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:



Further we are empanelled with following agencies: **DRDO-SASE** | **BEL** | **COD**& many more

**MNRE Channel Partner** 

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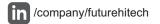
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**Creating Eco Friendly, Safe & Green Batteries**