

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
6.	Current	Max. Continuous Discharge		A	120
		Charge			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	L x W x H		mm	1235 x 685 x 194
15.	Operating Temperature	Charging		℃	0~45
		Discharging			-20~55
16.	Cell Balancing				Yes
17.	Communication				CANBUS

	Compatible with EV			
1.	Vehicle Type			Pure electric passenger car
2.	Compatible Motor		Type	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



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Future Hi-Tech Batteries Ltd.

C-183, Phase-VIII-B, Industrial Focal Point,
S.A.S. Nagar (Mohali) - 160071 Punjab, India.

Tele/Fax: +911724670013

email: care@fhtbl.com



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