

## **ELECTRIC WHEELCHAIR BATTERY TYPE**





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## 24V Lithium Battery System for Electric Scooter & Wheelchair



Suitable for Scooter



24V/23.2Ah

24V/43.5Ah

24V/63.8Ah

24V/63.8Ah

Suitable for Wheelchair



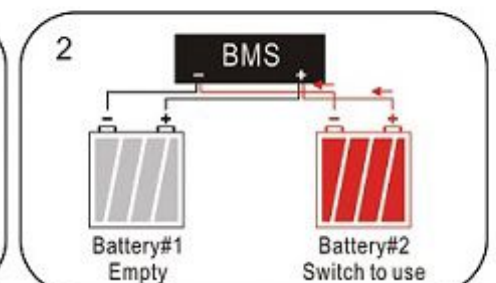
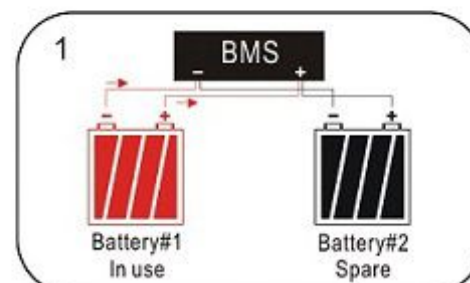
### Innovative Battery System Design

It is flexible for user to choose the number of battery packs use and each battery can operate independently.



With according to the weight and stroke need to decide to install one or more sets of batteries.

The Intelligent Battery Management System (BMS) monitors the performance of the battery packs and commands switching automatically from a drained battery to a charged one for supplying power continuously.






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## 24V Lithium Battery Pack

### Case Size: 181L x 77W x 172H mm

	Product Code	Configuration	Cell Type	Voltage	Rate	Power	Max. Discharge Current		
							Cont.	Pulse(20s)	Protect
	HF24S17B.357F	IFP335774S850-8S1P	Li-Fe	24V	8.5Ah	204Wh	20A	30A	65A
HL24S17B.809	NCR18650PD-7S8P	Li-ion	24V	23.2Ah	557Wh	30A	40A	65A	

### Case Size: 222L x 115W x 183H mm

	Product Code	Configuration	Cell Type	Voltage	Rate	Power	Max. Discharge Current		
							Cont.	Pulse(20s)	Protect
	HF24S33B.279F	IFP287194S1000-8S1P	Li-Fe	24V	10Ah	240Wh	30A	40A	65A
	HF24S33B.379F	IFP337194S1200-8S1P	Li-Fe	24V	12Ah	288Wh	30A	40A	65A
HL24S33B.809	NCR18650PD-7S15P	Li-ion	24V	43.5Ah	1044Wh	45A	55A	65A	

### Case Size: 222L x 155W x 179H mm

	Product Code	Configuration	Cell Type	Voltage	Rate	Power	Max. Discharge Current		
							Cont.	Pulse(20s)	Protect
	HF24S55B.279F	IFP287194S1000-8S2P	Li-Fe	24V	20Ah	480Wh	60A	70A	100A
	HF24S55B.379F	IFP337194S1200-8S2P	Li-Fe	24V	24Ah	576Wh	60A	70A	100A
HL24S55B.809	NCR18650PD-7S22P	Li-ion	24V	63.8Ah	1531Wh	60A	70A	100A	

### Case Size: 230L x 171W x 199H mm

	Product Code	Configuration	Cell Type	Voltage	Rate	Power	Max. Discharge Current		
							Cont.	Pulse(20s)	Protect
	HF24S54B.279F	IFP287194S1000-8S2P	Li-Fe	24V	20Ah	480Wh	60A	70A	100A
	HF24S54B.379F	IFP337194S1200-8S2P	Li-Fe	24V	24Ah	576Wh	60A	70A	100A
HL24S54B.809	NCR18650PD-7S22P	Li-ion	24V	63.8Ah	1531Wh	60A	70A	100A	

### Feature



Independent Charging Terminal



Different Connectors Available

### Optional Accessories

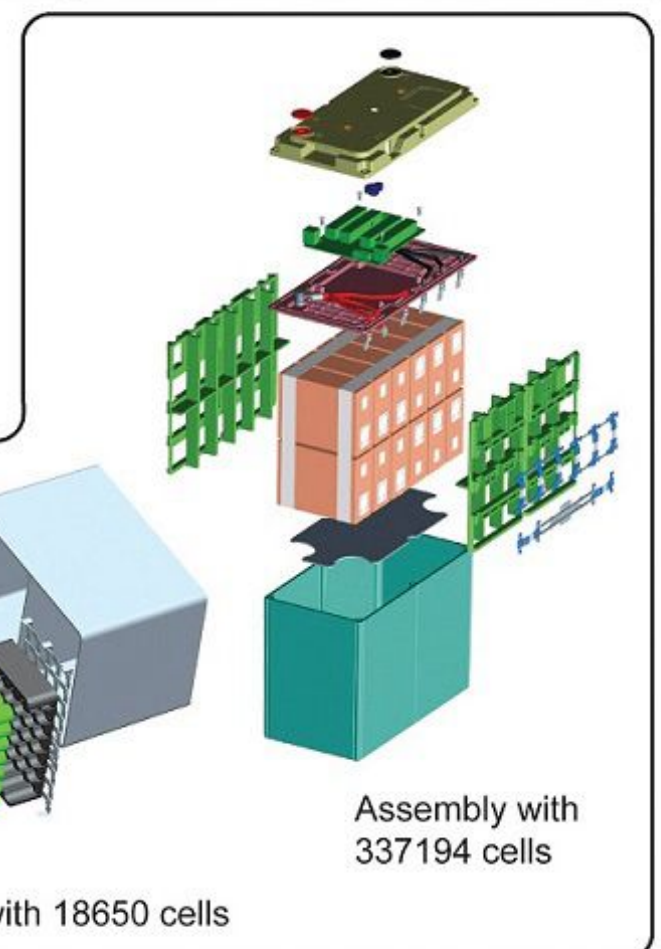


#### LCD Panel

- Battery Voltage
- Battery Capacity
- Total Number of Cycles
- Battery Temperature
- Estimated Range Available



### Exploded View Drawing



Assembly with 18650 cells

Assembly with 337194 cells



# ELECTRIC WHEELCHAIR BATTERY TYPE



## Lithium Battery System for Electric Scooter

Electric Scooter for test

	No. of wheel	3
	Tires	Front 10" ; Rear 10"
	Motor	24V DC Sealed Transaxle Motor
	Max. Speed	12 km/h
	Weight	58 kg (Scooter only)
	Overall Size	L: 1168 mm, W: 610 mm

Comparison with different battery type

Type	Power by High-power Li-Fe Battery	Power by Lead Acid Battery
Photo		
Battery Spec.	 <p>KLF1233B.379F X 2 <b>24V 36Ah</b></p>	<p><b>12V 36Ah x 2pcs</b></p>
Batteries Combination	2S1P	2S1P
Total Weight	10 kg	23 kg
Size	222L x 115W x 183H mm (each battery)	195L x 130W x 160H mm (each battery)
Cruise Range	48 km per battery charge	40 km per battery charge