

ELECTRIC WHEELCHAIR & SCOOTER BATTERY TYPES



2

4V Lithium Battery System For Electric Wheelchairs



Model No.	KL24H97	KL24H27
Voltage	24V	24V
Configuration	7S4P	7S4P
Rate	8.8Ah - 14.0Ah	8.8Ah - 14.0Ah
Cont. Discharge Current*	15A	15A
Weight (kg)	2.01	1.81
Dimensions (mm)	89 (L) x 87 (W) x 232 (H)	Ø 81.5 x 289 (H)

*Maximum discharge current value is subject to change. Please refer to the respective specification sheet of different products for the most updated details.



For Wheelchairs

2

4V Lithium Battery System For Electric Wheelchairs



Model No.	KL24H94
Voltage	24V
Configuration	7S4P
Rate	8.8Ah - 14.0Ah
Cont. Discharge Current*	15A
Weight (kg)	1.77
Dimensions (mm)	148 (L) x 56 (W) x 249 (H)

*Maximum discharge current value is subject to change. Please refer to the respective specification sheet of different products for the most updated details.



For Wheelchairs

2

4V Lithium Battery System For Electric Wheelchairs & Scooters



181(L) x 77(W) x 172(H) mm



222(L) x 115(W) x 183(H) mm



222(L) x 155(W) x 179(H) mm



230(L) x 171(W) x 199(H) 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.906	NCR18650GA-7S8P	Li-ion	24V	28Ah	672Wh	30A	40A	65A

	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.906	NCR18650GA-7S15P	Li-ion	24V	52.5Ah	1260Wh	45A	55A	65A

	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.906	NCR18650GA-7S22P	Li-ion	24V	77Ah	1848Wh	45A	50A	65A

	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.906	NCR18650GA-7S22P	Li-ion	24V	77Ah	1848Wh	45A	50A	65A

*Maximum discharge current value is subject to change. Please refer to the respective specification sheet of different products for the most updated details.

Suitable for
Wheelchairs



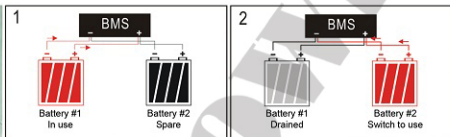
Suitable for
Scooters



Innocative Battery System Design

Users could flexibly choose the desired number of battery packs for use, and each battery pack can operate independently.

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.



- According to the weight and stroke needed, to decide installing one or more sets of battery packs.



Battery LED Indicator



Different Connectors Available

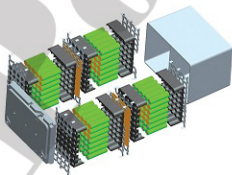


Independent Charging Terminal

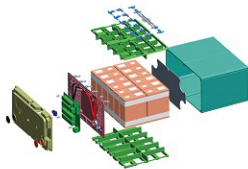


Built-in Protection Circuit

Features



Assembly with 18650 cells



Assembly with 337194 cells

Exploded View Drawing



Lithium Battery System For Electric Scooters



Electric Scooter - Test Product

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

Comparison with Different Battery Type

Type	Powered by High-Power Li-Fe Battery	Powered by Lead Acid Battery
Battery Spec.	12V 36Ah x 2pcs	12V 36Ah x 2pcs
Battery Combination	2S1P	2S1P
Total Weight (kg)	10	23
Dimensions (mm)	222 (L) x 115 (W) x 183 (H) (each battery)	195 (L) x 130 (W) x 160 (H) (each battery)
Cruise Range	48km per battery charge	40km per battery charge
Photo		

Optional Accessories



LCD Panel

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