

Lithium-ion Battery Solutions for Electric Motorcycle



Backed by increasing government initiatives towards controlling rising air pollution levels, electric two-wheelers are ever-increasing and becoming popular among major urban transport systems in all cities of the globe. These vehicles are easily charged by AC power and often come with removable and replaceable batteries.

TWS provides best cost performance full battery solutions for electric Motorcycle globally. Our professional R&D team have rich experiences in the joint development of BMS, hardware and software solutions, ensuring the total quality of your products.

Advantages

Multiple designs with hardware, software and BMS solutions

High performance: Lighter weight, high energy density, long cycle life (500 cycles, capacity $\geq 80\%$)

Superior cost advantage

Why TWS?



Ready-made platforms and BMS solutions to fulfill common applications



TWS's round the clock design team shortens Time-to-Market



Specialized End-to-End Integrated IP67 Product Development Capability



Local aftersales engineering services globally

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Model	TWS-EM-NCM-6045A	TWS-EM-NCM-6045B	TWS-EM-NCM-7220
Cell Type	21700	21700	21700
Dimension	170*200*353 (mm)	225*97*477 (mm)	127*118*410 (mm)
Configuration	17S9P	17S9P	20S4P
Nominal capacity	45Ah	45Ah	20Ah
Recommended power of motor	1500W-2500W	1500W-2500W	800W-1200W
Nominal voltage	60V	60V	72V
Max. charging current	30A	30A	14A
Max. continuous discharge current	120A	120A	60A
Waterproof	IPX7	IPX7	IPX7
Communication	CAN/RS485	CAN/RS485	CAN/RS485



Model	TWS-EM-NCM-7240A	TWS-EM-NCM-7240B	TWS-EM-LFP-7230
Cell Type	21700	21700	32140
Dimension	170*200*353 (mm)	225*97*477 (mm)	170*200*353 (mm)
Configuration	20S8P	20S8P	23S2P
Nominal capacity	40Ah	40Ah	30Ah
Recommended power of motor	1500W-2500W	1500W-2500W	1500W-2500W
Nominal voltage	72V	72V	72V
Max. charging current	28A	28A	30A
Max. continuous discharge current	120A	120A	60A(180A@10sec)
Waterproof	IPX7	IPX7	IPX7
Communication	CAN/RS485	CAN/RS485	CAN/RS485