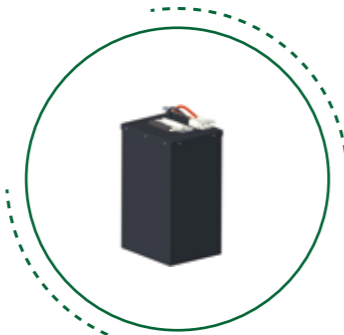
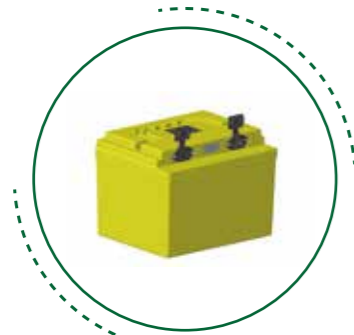
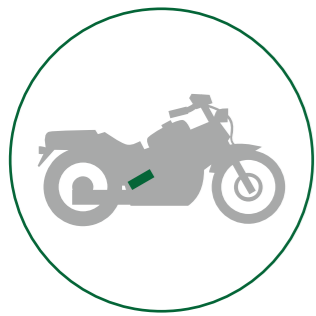


## TWS Battery Solutions for eMotorcycle

TWS provides 60V and 72V standard and customized battery solutions for eMotorcycle, which are safer with heavy load discharge and multi-tier protection and using 18650 and 21700 cells. Here are parts of our standard battery solutions for eMotorcycle.



Model	TWS-EM-NCM-6032	TWS-EM-NCM-7228
Cell	18650	18650
Dimensions	187*237*175 (mm)	180*153*295 (mm)
Configuration	16S10P	20S10P
Capacity (typical)	32.0Ah	28.0Ah
Recommend motor power	800W-1200W	1500W-2500W
Nominal voltage	60V	72V
Recommend charge current	5A	5A
Max. continuous discharge current	50A	56A
Waterproof grade	IPX4	IPX4
Communication	RS485	N/A
Application	eMotorcycle	eMotorcycle

## About TWS

### Dynamic Leadership in Innovative Rechargeable Lithium-ion Battery Solutions

TWS, a dynamic and global industry leader focused on providing innovative Lithium-based battery technology solutions, was founded in 1998. With 25 years development, we have now grown to over 2,000 global employees to service the worldwide markets. TWS always follows the practice of customer-focused values and we're committed to providing innovative solutions in response to the rapid growth of new lithium-ion battery applications.

### Vision & Mission

- A Better Life through Innovation
- Vision:** Create a better life for people
- Mission:** To be the industry leader in rechargeable energy solutions

Founded in <b>1998</b>	Tech Centers <b>7</b>	Factories <b>4</b>	Annual production capacity <b>13 GWh</b>
Patents <b>80+</b>	Active SKUs <b>500+</b>	Batteries Sold <b>300,000,000+</b>	<b>ISO &amp; IATF</b> Certified

**TWS**  
eMobility  
Battery  
Solutions

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 standard and customized battery solutions for eMobility to fulfill numerous applications including electric bicycles, electric moped, electric scooters and electric motorcycles globally. Experienced in the joint development of BMS, hardware and software solutions.



### TWS eMobility battery applications



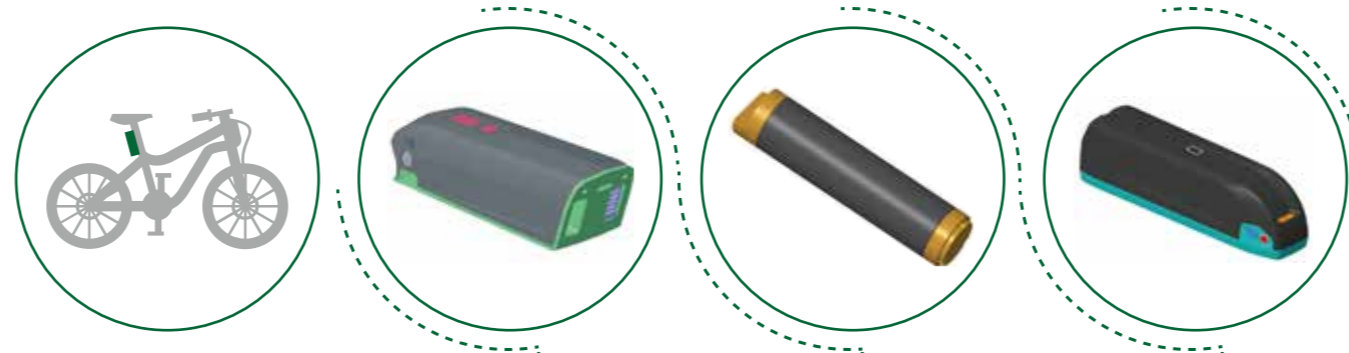
### TWS battery solution advantages

- Multiple design with BMS, hardware and software solutions
- High and stable performance with lighter weight, high energy density and long cycle life (500 cycles, capacity≥80%)
- High cost performance



### TWS Battery Solutions for eBike

TWS offers various 36V standard and customized battery solutions for eBike with the advantage of portable and lighter, ranging from 7 Ah to 20 Ah with 18650 and 21700 cells. Here are parts of our standard battery solutions for eBike.



Model	TWS-EM-NCM-3610A	TWS-EM-NCM-3610B	TWS-EM-NCM-3613B
Cell	18650	21700	18650
Dimensions	312*92*94 (mm)	290*71*74 (mm)	387*95*101 (mm)
Configuration	10S4P	10S2P	10S5P
Capacity (typical)	10.4Ah	9.8Ah	13.0Ah
Recommend motor power	250W-350W	250W-350W	250W-350W
Nominal voltage	36V	36V	36V
Recommend charge current	2A	3A	3A
Max. continuous discharge current	15A	15A	20A
Waterproof grade	IPX4	IPX6	IPX5
Communication	N/A	N/A	UART/CAN
Application	eBike	eBike	eBike

### TWS Battery Solutions for eMoped

TWS 48V standard and customized battery solutions are designed for eMoped with the advantage of portable and lighter, ranging from 15 Ah to 28 Ah with 18650 and 21700 cells. Here are parts of our standard battery solutions for eMoped, and they can be used for eBike as well.



Model	TWS-EM-NCM-4815	TWS-EM-NCM-4828
Cell	21700	18650
Dimensions	450*85*78.7 (mm)	181*156*200 (mm)
Configuration	13S3P	13S10P
Capacity (typical)	15Ah	28.5Ah
Recommend motor power	250W-350W	500W
Nominal voltage	48V	48V
Recommend charge current	3A	8A
Max. continuous discharge current	20A	20A
Waterproof grade	IPX6	IPX4
Communication	UART	RS485
Application	eBike/ eMoped	eBike/ eMoped