

WT7650

76.8V ELECTRIC TRICYCLE BATTERY



wiretech

contact details

+86-755-23251510

office@wiretech.com

www.wiretech.com

No.602, Block C, Innovation Plaza, No.2007,
Pingshan Avenue, Pingshan District, Shenzhen, China.

Our 76.8V lithium battery for electric tricycles is a rechargeable battery designed specifically for electric tricycles, which provides an efficient and environmentally friendly energy solution. Lithium batteries are favored for their high energy density, long life, low self-discharge rate and relatively light weight.

Energy
76.8V 50Ah
(3.84KWh)

Weight
36.8Kg

5 Years
Warranty

★ BMS

Lithium batteries manufactured by wiretech are optimized by its battery BMS, through monitoring cells, to provide protection against overcharge, over discharge, short circuit. The BMS helps to ensure safe and accurate operation.

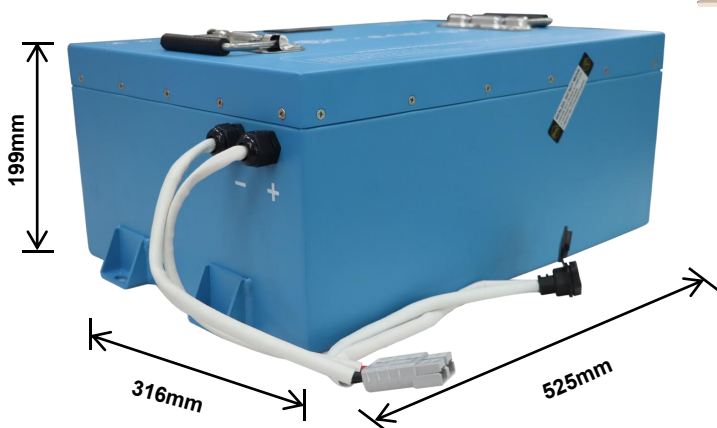
★ Environmentally friendly

Batteries do not contain lead, cadmium and other hazardous substances, environmentally friendly, and easy to recycle and dispose of, in line with the current trend of sustainable development.

★ Lightweight design

Our batteries are lighter, which helps reduce the overall weight of the trike, improves the energy efficiency ratio, and makes the trike more agile and maneuverable.

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Technical Specification	
Capacity	50Ah
Nominal Voltage	76.8 Volts
Full Charge Resting Voltage	84 Volts
Energy Storage	3840Wh (3.84KWh)
Run time @ 100 Amp load	0.5Hours @ 77°F (25°C)
Self Discharge Rate	≤4%/Month
Charging Temperate Range	32~131°F
Charge cut-off current	CC/CV
Charge Method	50Amps @ 77°F (25°C)
Maximum Current	≤60A
Recommended Current	25Amps
Charge Efficiency	99%
Discharging Temperate Range	-4~140°F
Discharge Current	50Amps Continuous
Discharge Current 3 seconds	200Amps
Discharge Cut-off Voltage	60Volts; Any cell (2.5 Volts)
Recommended Low Voltage Disconnect	60Volts
Short Circuit Protection	400A for 900μS
Short Circuit Protection Release	Disconnect the load
Length	20.67" (525mm)
Width	12.44" (316mm)
Height	7.83" (199mm)
Weight	81.3 Pounds (36.86Kg)
Hardware	M8 Bolts, Washer, Lock Washer
Hardware Torque	88 in - lb. (9 N-m)
Discharge Test	100% DoD @ 1C
Discharge Test Results	> 3000 cycles ~ 80% remaining Capacity
Storage Method	50% SoC, test @ 90 Days, recharge if below 43.2V
Storage Temperature Range (Recommended)	-4°F ~ 95°F (-20°C - 35°C)