RYDBATT ®

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RYDBATT ®

ELECTRIC MOTORCYCLE BATTERY SOLUTION

www.ryderelectronics.com

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Ryder established in July 2005, has been committed to pioneering R&D in lithium battery system integration and customized solutions. With two decades of accumulated technical expertise, our company has secured comprehensive proprietary intellectual property rights across core competencies, including system architecture design, Battery Management System (BMS) development, battery pack (PACK) engineering, power supply innovation, electronic circuitry design, software development, industrial design, and precision mold development. These technological achievements have validated by dual certifications as a National High-Tech Enterprise and a "Specialized, Sophisticated, Innovative and Distinctive" (SSID) SME, underscoring its industry leadership.

Strategically situated in Huizhou, the Ryder New Energy Industrial Park spans 50 acres (33,335 m^2) with a total built-up area of 84,000 square meters. The facility comprises two state-of-the-art production plants totaling 45,000 m^2 and a dedicated 10,000 m^2 logistics warehouse, establishing a robust manufacturing ecosystem. Our company currently employs over 500 professionals, with R&D personnel constituting 12% of the workforce. Notably, core R&D team members possess over 15 years' specialized experience in power lithium battery engineering, driving continuous innovation and maintaining technological leadership in power lithium-ion batteries.

Our company operates ISO-certified laboratories and testing centers conduct full-spectrum validation protocols: safety compliance testing (UN38.3, UL), performance benchmarking, environmental simulation (-40°C to+85°C), application-specific stress testing, and accelerated lifecycle validation. This multi-layered quality assurance framework ensures zero-defect products with international standards. Ryder's product portfolio serves diverse mobility and energy sectors, including light electric vehicles (e-bikes, e-trikes, low-speed quadricycles), power tools, off-grid energy storage solutions, portable medical devices, and consumer electronics, earning global recognition and customer trust.

20
Years Experience In Battery

5000+
Successful Cases

500+
Green Energy Customers

150+
Invention Patents

Electric Off-Road Motorcycle Solutionn

RYDM4820

48V 20.8Ah

Configuration	13S8P
Material System	NMC/LFP
weight (kg)	8.6
IP Rating	IP65~IP68
Charging Temperature	5~45℃
Discharging Temperature	-20~60℃
Max.Continuous Charging Current	10A
Max.Continuous Discharging Current	40A
Working Voltage	35.1~54.6V
Communication	RS-485/CAN
Dimensions (L*W*H,mm)	300*90*150

RYDM6040-1

60V 40Ah

Configuration	17S9P
Material System	NMC/LFP
weight (kg)	18.5
IP Rating	IP65~IP68
Charging Temperature	5~45℃
Discharging Temperature	-20~60℃
Max.Continuous Charging Current	10A
Max.Continuous Discharging Current	50A
Working Voltage	47.6~71.0V
Communication	RS-485/CAN
Dimensions (L*W*H,mm)	167*217*336

RYDM6040-2

60V 40Ah

Configuration	17S16P
Material System	NMC/LFP
weight (kg)	18.5
IP Rating	IP65~IP68
Charging Temperature	5~45℃
Discharging Temperature	-20~60℃
Max.Continuous Charging Current	10A
Max.Continuous Discharging Current	50A
Working Voltage	47.6~71.0V
Communication	RS-485/CAN
Dimensions (L*W*H,mm)	166*216*335

RYDM6228

62V 28Ah

Configuration	17S11P
Material System	NMC/LFP
weight (kg)	13
IP Rating	IP65~IP68
Charging Temperature	5~45℃
Discharging Temperature	-20~60℃
Max.Continuous Charging Current	10A
Max.Continuous Discharging Current	40A
Working Voltage	51~71V
Communication	RS-485/CAN
Dimensions (L*W*H,mm)	215*80*420

RYDM7232-1

72V 32Ah

Configuration	20S8P
Material System	NMC/LFP
weight (kg)	19.5
IP Rating	IP65~IP68
Charging Temperature	5~45℃
Discharging Temperature	-20~60℃
Max.Continuous Charging Current	10A
Max.Continuous Discharging Current	60A
Working Voltage	56~84V
Communication	RS-485/CAN
Dimensions (L*W*H,mm)	430*235*90

RYDM7232-2

72V 32Ah

Configuration	20S12P
Material System	NMC/LFP
weight (kg)	18.1
IP Rating	IP65~IP68
Charging Temperature	5~45℃
Discharging Temperature	-20~60℃
Max.Continuous Charging Current	10A
Max.Continuous Discharging Current	60A
Working Voltage	56.0~84.0V
Communication	RS-485/CAN
Dimensions (L*W*H,mm)	430*235*90

RYDM7245

72V 45Ah

Configuration	20S3P
Material System	NMC/LFP
weight (kg)	33
IP Rating	IP65~IP68
Charging Temperature	5~45℃
Discharging Temperature	-20~60℃
Max.Continuous Charging Current	10A
Max.Continuous Discharging Current	80A
Working Voltage	59.8~80V
Communication	RS-485/CAN
Dimensions (L*W*H,mm)	261*158*413

RYDM7240

72V 40Ah

Configuration	20S8P
Material System	NMC/LFP
weight (kg)	16
IP Rating	IP65~IP68
Charging Temperature	5~45℃
Discharging Temperature	-20~60℃
Max.Continuous Charging Current	15A
Max.Continuous Discharging Current	80A160A(30s)
Working Voltage	60~83V
Communication	RS-485/CAN
Dimensions (L*W*H,mm)	203*163*340

RYDM7250

72V 50Ah

Configuration	20S10P
Material System	NMC/LFP
weight (kg)	18
IP Rating	IP65~IP68
Charging Temperature	5~45℃
Discharging Temperature	-20~60℃
Max.Continuous Charging Current	0.5C
Max.Continuous Discharging Current	150A 250A(30s)
Working Voltage	60~83V
Communication	RS-485/CAN
Dimensions (L*W*H,mm)	228*163*340