

HIGH POWER 72V55Ah / 60V55Ah / 48V55Ah LITHIUM NMC BATTERY

E-Motorcycle Battery with High Power

Selected with excellent chemical properties of NMC automotive cell, superior software and hardware BMS and reliable module structure system, as well as heat dissipation management and cell expansion management. Parallel configuration system integration can be realized. With the advantages of high energy density, long life cycle, good safety performance and relatively low cost, it is applied to electric and hybrid electric vehicles (high-speed electric motorcycle, electric tricycle, small logistics vehicles, electric or rental vehicles, etc.).



Benefits

- + Up to 5 years battery life
- + 1500 times at 90%DOD (discharge depth) and 25°C
- + High security and reliability, reliable modular structure design as well as heat dissipation management and cell expansion management
- + Intelligent BMS and support multi-battery parallel system
- + Discharge C-ratio up to 2~3C, and charging C-ratio up to 0.5~1C
- + Low power mode support, and low to 200uA
- + Plug and pull process, with anti-flameout function
- + IP65 class
- + High cost performance

Technical Specifications & Characteristics

Physical Specification*	Condition	Unit	High Powe4855	High Powe6055	High Powe7255
Voltage & Energy					
Normal	-	V	48	60	72
Embedded Energy[BOL]	From 84V to 58V	KWH	2.64	3.3	3.96
Power [25°C]					
Continuous Power in Discharge	SOC=50%	KW	7.9	9.9	11.8
Continuous Power in Charge	-	KW	1.3	1.6	1.9
Peak Power in Discharge (30S)	SOC=50%	KW	13.2	16.5	19.8
Temperature					
Discharge Temperature	-	°C	-20~60	-20~60	-20~60
Charge Temperature	-	°C	0~50	0~50	0~50
Mechanical SPEC					
Size (Height*Length*Thickness)	-	mm	263*222*165	303*222*165	380*222*165
Weight	-	kg	Appr 13	Appr 18	Appr 24

SOC = State Of Charge DOD = Depth of Discharge BOL = Beginning Of Life

* Please contact with us to get more information.

CGONEN

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CGONEN

台州承功

TAIZHOU CITY CHENGGONG NEW ENERGY CO.,LTD.

CHENGGONG, Designs, Integrates and Assembles industrial-grade battery solutions and management systems

Resources integration of a number of group companies, the team has decades of experience in battery industry.

Advanced production workshop and R&D laboratory

- Area of 3 000 square meters
- Plan to build a factory in 2022 and introduce 2 advanced intelligent PACK production lines
- MES intelligent manufacturing and traceability system
- Advanced industrial robot and 3KW laser welding machine, can produce automotive grade VDA lithium battery modules
- Introduce advanced testing equipment to set up R&D laboratory
- Support the production of energy storage (square cell) and transport equipment battery (square or cylindrical) production
- Management and policy: Implement IATF16949 vehicle certification management system

Establish strict quality control system to ensure product quality

Skills and know how, along the whole conception and added value chain

HIGH ENERGY 48V15Ah / 48V18Ah / 48V20Ah LITHIUM NMC BATTERY

E-Motorcycle Battery with High Energy

Select integrated high energy NMC cell, superior software and hardware BMS and reliable modular structure system, and parallel configuration system integration. With the advantages of high energy density, long cycle life, good safety performance, applied to electric and hybrid electric vehicles (high-speed electric motorcycle, electric tricycles, small logistics vehicles, electric or rental vehicles, etc.).



Benefits

- + Up to 3 years battery life
- + 1000 times at 90%DOD (discharge depth) and 25°C
- + High security and reliability, already passed the UN38.3 certification
- + Discharge C-ratio up to 1.5-2C, and charging C-ratio up to 0.2-0.5C
- + Low power mode support, and low to 200uA
- + Plug and pull process, with anti-flameout function
- + IP65 class
- + High cost performance

Technical Specifications & Characteristics

Physical Specification*	Condition	Unit	High Energy4815	High Energy4818	High Energy4820
Voltage & Energy					
Normal	-	V	48	48	48
Embedded Energy[BOL]	From 54.6V to 37.7V	WH	720	864	960
Power [25°C]					
Continuous Power in Discharge	SOC=50%	W	720	864	960
Continuous Power in Charge	-	W	360	432	480
Peak Power in Discharge (30S)	SOC=50%	W	1080	1296	1440
Temperature					
Discharge Temperature	-	°C	-20~60	-20~60	-20~60
Charge Temperature	-	°C	0~50	0~50	0~50
Mechanical SPEC					
Size (Height*Length*Thickness)	-	mm	291*198*70	291*198*70	291*198*70
Weight	-	kg	Appr 4	Appr 4.3	Appr 4.5

SOC = State Of Charge DOD = Depth of Discharge BOL = Beginning Of Life

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HIGH ENERGY 48V26Ah / 48V29Ah / 48V32Ah LITHIUM NMC BATTERY

E-Motorcycle Battery with High Energy

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Benefits

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- + 1000 times at 90%DOD (discharge depth) and 25°C
- + High security and reliability, already passed the UN38.3 certification
- + Discharge C-ratio up to 1.5-2C, and charging C-ratio up to 0.2-0.5C
- + Low power mode support, and low to 200uA
- + Plug and pull process, with anti-flameout function
- + IP65 class
- + High cost performance

Technical Specifications & Characteristics

Physical Specification*	Condition	Unit	High Energy4826	High Energy4829	High Energy4832
Voltage & Energy					
Normal	-	V	48	48	48
Embedded Energy[BOL]	From 58.8V to 40.6V	WH	1248	1392	1536
Power [25°C]					
Continuous Power in Discharge	SOC=50%	W	1900	2100	2300
Continuous Power in Charge	-	W	620	700	770
Peak Power in Discharge (30S)	SOC=50%	W	3700	4100	4600
Temperature					
Discharge Temperature	-	°C	-20~60	-20~60	-20~60
Charge Temperature	-	°C	0~50	0~50	0~50
Mechanical SPEC					
Size (Height*Length*Thickness)	-	mm	165*145*357	165*145*357	165*145*357
Weight	-	kg	Appr 9.3	Appr 9.6	Appr 9.8

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HIGH ENERGY 60V26Ah / 60V29Ah / 60V32Ah LITHIUM NMC BATTERY

E-Motorcycle Battery with High Energy

Select integrated high energy NMC cell, superior software and hardware BMS and reliable modular structure system, and parallel configuration system integration. With the advantages of high energy density, long cycle life, good safety performance, applied to electric and hybrid electric vehicles (high-speed electric motorcycle, electric tricycles, small logistics vehicles, electric or rental vehicles, etc.).



Benefits

- + Up to 3 years battery life
- + 1000 times at 90%DOD (discharge depth) and 25°C
- + High security and reliability, already passed the UN38.3 certification
- + High volume energy density, single battery up to 300Wh/L
- + Intelligent BMS and support multi-battery parallel system
- + Discharge C-ratio up to 1.5-2C, and charging C-ratio up to 0.2-0.5C
- + Low power mode support, and low to 200uA
- + Plug and pull process, with anti-flameout function
- + IP65 class
- + High cost performance

Technical Specifications & Characteristics

Physical Specification*	Condition	Unit	High Energy6026	High Energy6029	High Energy6032
Voltage & Energy					
Normal	-	V	60	60	60
Embedded Energy[BOL]	From 54.6V to 37.7V	WH	1560	1740	1920
Power [25°C]					
Continuous Power in Discharge	SOC=50%	W	2400	2600	2900
Continuous Power in Charge	-	W	780	870	960
Peak Power in Discharge (30S)	SOC=50%	W	4600	5200	5700
Temperature					
Discharge Temperature	-	°C	-20~60	-20~60	-20~60
Charge Temperature	-	°C	0~50	0~50	0~50
Mechanical SPEC					
Size (Height*Length*Thickness)	-	mm	262*170*144	262*170*144	262*170*144
Weight	-	kg	Appr 8.4	Appr 8.6	Appr 8.8

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HIGH ENERGY 72V26Ah / 72V29Ah / 72V32Ah LITHIUM NMC BATTERY

E-Motorcycle Battery with High Energy

Select integrated high energy NMC cell, superior software and hardware BMS and reliable modular structure system, and parallel configuration system integration. With the advantages of high energy density, long cycle life, good safety performance, applied to electric and hybrid electric vehicles (high-speed electric motorcycle, electric tricycles, small logistics vehicles, electric or rental vehicles, etc.).



Benefits

- + Up to 3 years battery life
- + 1000 times at 90%DOD (discharge depth) and 25°C
- + High security and reliability, already passed the UN38.3 certification
- + High volume energy density, single battery up to 305Wh/L
- + Intelligent BMS and support multi-battery parallel system
- + Discharge C-ratio up to 1.5-2C, and charging C-ratio up to 0.2-0.5C
- + Low power mode support, and low to 200uA
- + Plug and pull process, with anti-flameout function
- + IP65 class
- + High cost performance

Technical Specifications & Characteristics

Physical Specification*	Condition	Unit	High Energy7226	High Energy7229	High Energy7232
Voltage & Energy					
Normal	-	V	72	72	72
Embedded Energy[BOL]	From 54.6V to 37.7V	WH	1872	2088	2304
Power [25°C]					
Continuous Power in Discharge	SOC=50%	W	3000	3200	3500
Continuous Power in Charge	-	W	940	1000	1200
Peak Power in Discharge (30S)	SOC=50%	W	5600	6200	6900
Temperature					
Discharge Temperature	-	°C	-20~60	-20~60	-20~60
Charge Temperature	-	°C	0~50	0~50	0~50
Mechanical SPEC					
Size (Height*Length*Thickness)	-	mm	420*225*80	420*225*80	420*225*80
Weight	-	kg	Appr 11	Appr 11.5	Appr 12

SOC = State Of Charge DOD = Depth of Discharge BOL = Beginning Of Life

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