

Battery module



FEATURES

- ▶ Design for home appliances, easy to install and handle;
- ▶ For two or more modules in series;
- ▶ Powerful BMS management, safe and reliable;
- ▶ Integrate accurate SOC prediction unit, cell temperature detection unit, battery status control module;

APPLICATIONS



Electric two-wheeled vehicle



Low speed vehicle



Energy storage market



Electro-tricycle



Electric logistics vehicle

List	KY3.8kwh	KY5.0kwh	KY6.0kwh
Nominal voltage	48V	48V	48V
Nominal capacity	3840Wh	5040Wh	6000Wh
Capacity	80Ah	105Ah	125Ah
Battery type	Lithium iron phosphate	Lithium iron phosphate	Lithium iron phosphate
Usable capacity	3530Wh	4635Wh	5400Wh
Dimensions(W*H*D)mm	452*276.5*320mm	452*276.5*320mm	452*276.5*320mm
Weight	43Kg	46Kg	48Kg
Voltage range	38V~56.5V	38V~56V	38V~56V
Max power	5000W	5500W	6800W
Peak power	6000W for 30s	6600W for 30s	8000W for 30s
Max charge current	80A	105A	105A
Max discharge current	150A	150A	150A
Communication port	RS485 & CAN	RS485 & CAN	RS485 & CAN
Number of cells	15pcs	15pcs	15pcs
Working temperature	0°C~45°C/-20°C~60°C	0°C~45°C/-20°C~60°C	0°C~45°C/-20°C~60°C
Shelf(< one month)/SOC	-10°C~35°C/50%-80%	-10°C~35°C/50%-80%	-10°C~35°C/50%-80%
Humidity	<45%	<45%	<45%
Altitude	2000m	2000m	2000m
Design life	15years(25°C/77°F)	10years(25°C/77°F)	10years(25°C/77°F)
Cycle life	6000,25°C 90% DOD	4500,25°C 90% DOD	4500,25°C 90% DOD
Authentication level	IEC62619/CE /UN38.3	IEC62619/CE /UN38.3	IEC62619/CE /UN38.3
Enclosure protection rating	IP55	IP55	IP55

BMS(MCU)



FEATURES

- ▶ Three level protection;
- ▶ Charge&discharge current up to 100A;
- ▶ Integrated CAN & 485 communication;
- ▶ Support 10 units in series and then in one parallel, can manage up to 20 units of battery packs, with total capacity up to 100kwh;
- ▶ Small size, light weight, plug and play interface, easy to install;
- ▶ IP65 protection.

List	PACK-MCU-10
Dimension(W*H*D)mm	452mm*75mm*320mm
Weight	4.5kg
Voltage Range	80~600V
Max charge Current	105A
Max discharge Current	105A
Communication Port	RS485&CAN
Single string quantity	2~10
Indicator	LED
Working Temperature	-20°C-60°C
Humidity	≤95%(non-condensing)
Altitude	Derating at 2000m
Enclosure protection Rating	IP56
Warranty	5/10years