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chengdu heltecbms Technology Co., Ltd. is a high-tech Company focusing on battery management system and power management, dedicated to research and development, production and sales. In the early days, the company focused on the domestic market and insisted on taking customer demand as the orientation, designing and producing (various product specifications). Through a number of technological reforms and technological innovations, the company's products have a strong competitive advantage in the market in terms of (safety performance and life). In the early days, we exported a large number of BMS through inland's foreign trade, and won unanimous praise from customers at home and abroad. Beginning in 2020, in order to better serve overseas customers, the HELTEC-BMS brand direct sales global market has been established.

The company has been deeply engaged in battery management systems for many years, and has accumulated profound accumulation in battery protection board

design, material selection and manufacturing technology. Continuously develop new battery protection solutions, with a strong sense of quality and strict quality control, to ensure customer product quality and delivery time. Over the years, the company has established a long-term strategic partnership with many customers based on the principle of sincere cooperation, mutual benefit, and customer first.

BMS Catalogue



- **2S BMS specifications**

1)2S 15A 3.7V Same

SKU:1793

Charge protection voltage: 4.28V

Discharge point protection voltage: 2.9V

Charge release voltage: 4.08V

Discharge recovery voltage :3.0V

Maximum continuous flow resistance: 15A

Instantaneous current limit protection value: 75A

Short circuit protection: load short circuit protection

Dimensions:

Application: 7.4V-8.4V hand drill, power tool, toy car, LED lighting, etc.

**2)2S 15A 3.2V Same**

SKU:1794

Charge protection voltage 3.65V

Discharge point protection voltage 2.5V

Charge release voltage 3.45V

Discharge recovery voltage 2.8V

Maximum continuous flow resistance: 15A,

Instantaneous current limit protection value: 75A

Short circuit protection: load short circuit protection

Dimensions:

Application: 7.4V hand drill, power tool, toy car, LED lighting, etc.

**3)2S 20A 3.7V Same**

SKU:1795

Charge protection voltage 4.28V

Discharge point protection voltage 2.9V

Charge release voltage 4.08V

Discharge recovery voltage 3.0V

Maximum continuous flow resistance: 20A

Instantaneous current limit protection value: 75A

Short circuit protection: load short circuit protection

Dimensions:

Application: 7.4V-8.4V hand drill, power tool, toy car, LED lighting, etc.



4)2S 40A 3.2V Same

SKU: 1530

Charge protection voltage 3.65V

Discharge point protection voltage 2.5V

Charge release voltage 3.55V

Discharge recovery voltage 2.7V

Balanced opening voltage: 3.45V

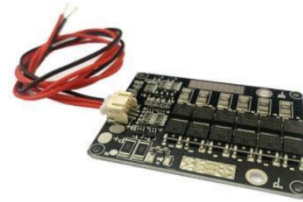
Maximum continuous flow resistance: 40A

Instantaneous current limit protection value: 150A

Short circuit protection: load short circuit protection

Dimensions: 63×47×7mm

Application: 7.4V hand drill, power tool, toy car, LED lighting, etc.

**5)2S 40A 3.7V Same**

SKU: 1129

Charging protection voltage: 4.28V

Discharge protection voltage: 2.9V

Equalization function: Yes

Equilibrium current: 90mA

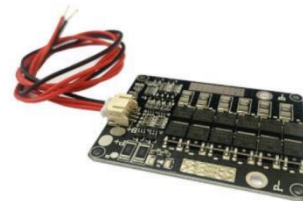
Maximum sustainable current: 40A

Current limit protection: 225A

Short circuit protection: Yes

Size: 63 * 47 * 7MM

Application: 7.4V hand drill, power tool, toy car, LED lighting, etc.

**4)2S 40A 3.2V Same**

SKU: 1530A

Charge protection voltage 3.65V

Discharge point protection voltage 2.5V

Charge release voltage 3.55V

Discharge recovery voltage 2.7V

Balanced opening voltage: 3.45V

Maximum continuous flow resistance: 40A

Instantaneous current limit protection value: 150A

Short circuit protection: load short circuit protection

Dimensions: 63×47×7mm

Application: 7.4V hand drill, power tool, toy car, LED lighting, etc.

**6)2S 40A 3.7V Same**

SKU: 1129A

Charging protection voltage: 4.28V

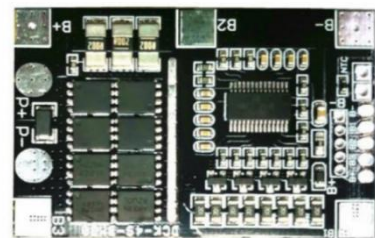
Discharge protection voltage: 2.9V
Equalization function: Yes
Equilibrium current: 90mA
Maximum sustainable current: 40A
Current limit protection: 225A
Short circuit protection: Yes
Size: 63 * 47 * 7MM
Application: 7.4V hand drill, power tool, toy car, LED lighting,



- **3/4S BMS 12V specifications**

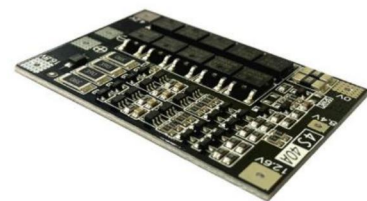
1)4S 35A 3.2V Same

SKU:1798
Charging protection voltage: 3.65V
Charge release voltage: 3.55V
Balanced opening voltage 3.405V
Discharge protection voltage: 2.35V
Discharge release voltage: 2.55V
Balance current: 37 mA
Continuous discharge current: 35A
Continuous charging current: 20A
Current limit protection: 67A
With temperature control protection
Short circuit protection
Specification size: 56×36×3mm
Suitable for motors within 150W, 350W energy storage.
Commonly used for sea fishing and fishing turbines, Xenon lamp lighting, street lamp lighting, etc.



2)3S- 4S 40A 3.7V Same

SKU: 1474
Charging protection voltage: 4.28V
Charge release voltage: 4.08V
Discharge protection voltage: 2.5V
Discharge recovery voltage 3.0V
The most continuous overcurrent value: 40A
Instantaneous current limit protection value: 120A
Short circuit protection: load short circuit protection
Dimensions: 60×42×4
Application: 12V hand drill, lighting fixtures within 200W, not suitable for inverter



3)4S 40A 3.2V Same

SKU:1476

Charging protection voltage: 3.75V

Charge release voltage: 3.6V

Discharge protection voltage: 2.1V

Discharge recovery voltage 2.5V

The most continuous overcurrent value: 40A

Instantaneous current limit protection value: 120A

Short circuit protection: load short circuit protection

Size: 60×45×4

Application: Lighting lamps within 200W, not suitable for inverter

**4)3S 4S 40A 3.7V With Interface**

SKU:1796

Charge protection voltage: 3.75V

Discharge protection voltage: 2.1V

Charge release voltage: 3.6V

Discharge release voltage: 2.5V

Balanced voltage 3.55V

Balanced current: 100mA

Maximum continuous overcurrent value: 40A

Instantaneous current limit value: 100A

Short circuit protection: load short circuit

Dimensions: 60×45×8MM

Dedicated to motor products around 300-400W, LED lamp lighting around 350W, etc.

**5) 4S 40A 3.2V With Interface**

SKU:1797

Charge protection voltage: 4.25V

Discharge protection voltage: 2.8V

Charge release voltage: 4.18V

Discharge release voltage: 3.0V

Balanced voltage 4.17V

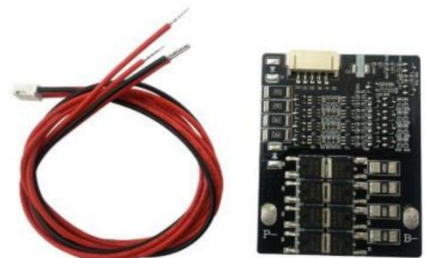
Balanced current: 110mA

Maximum continuous overcurrent value: 40A

Instantaneous current limit value: 150A

Short circuit protection: load short circuit

Dimensions: 60×45×8MM



6)3S 50A 3.7V Same

SKU: 1480

Charging protection voltage: 4.25V

Charge release voltage: 4.19V

Balanced opening voltage 4.17V

Discharge protection voltage: 2.8V

Discharge release voltage: 3.0V

Balance current: 105 mA

Continuous discharge current: 50A

Continuous charging current: 50A

Current limit protection: 225A

Specification size: 63×50×4 mm

Suitable for motors within 350W, often used in trawlers, and low-power energy storage around 500W

**7)4S 50A 3.7V Same**

SKU: 1481

Charging protection voltage: 4.25V

Charge release voltage: 4.19V

Balanced opening voltage 4.17V

Discharge protection voltage: 2.8V

Discharge release voltage: 3.0V

Balance current: 105 mA

Continuous discharge current: 50A

Continuous charging current: 50A

Current limit protection: 225A

Specification size: 63×54×4 mm

Suitable for motors within 350W, often used in trawlers, and low-power energy storage around 500W.

**8)4S 50A 3.2V Same**

SKU: 1482

Charging protection voltage: 3.75V

Charge release voltage: 3.6V

Balanced opening voltage 3.55V

Discharge protection voltage: 2.1V

Discharge release voltage: 2.5V

Balance current: 95 mA

Continuous discharge current: 50A

Continuous charging current: 80A

Current limit protection: 200A

Specification size: 63×54×4 mm

Suitable for motors within 350W, often used in trawlers, and



low-power energy storage around 500W.

9)3S-4S 80A 3.2V Same Port

SKU: 1615

Charging protection voltage: 4.25V

Charge release voltage: 4.19V

Balanced opening voltage 4.17V

Discharge protection voltage: 2.8V

Discharge release voltage: 3.0V

Balance current: 105 mA

Max Continuous discharge current: 80A

Max Continuous charging current: 80A

Current limit protection: 400A

Specification size: 72*55*8mm

Suitable for motors within 800W, often used in marine propellers, and low-power energy storage around 1000W



10)4S 80A 3.2V Same Port

SKU: 1617

Charging protection voltage: 3.75V

Charge release voltage: 3.6V

Balanced opening voltage 3.55V

Discharge protection voltage: 2.1V

Discharge release voltage: 2.5V

Balance current: 95 mA

Max Continuous discharge current: 80A

Max Continuous charging current: 80A

Current limit protection: 400A

Specification size: 72*55*8mm

It is suitable for motors within 800W, often used in marine propellers, and low-power energy storage around 1000W.



11)3S 4S 100A 3.7V Same Port

SKU:0913

Charging protection voltage: 4.25V

Charge release voltage: 4.19V

Balanced opening voltage 4.17V

Discharge protection voltage: 2.8V

Discharge release voltage: 3.0V

Balance current: 105 mA

Max Continuous discharge current: 80A

Max Continuous charging current: 80A

Current limit protection: 450A

Specification size: 72×55×8 mm



It is suitable for motors within 500W, and is often used in trawlers, marine propellers, and low-power energy storage around 600W.

12)4S 100A 3.7V Same Port

SKU:0914

Charging protection voltage: 3.75V

Charge release voltage: 3.6V

Balanced opening voltage 3.55V

Discharge protection voltage: 2.1V

Discharge release voltage: 2.5V

Balance current: 95 mA

Max Continuous discharge current: 80A

Max Continuous charging current: 80A

Current limit protection: 300A

Short circuit protection: load short circuit protection

Specification size: 72×55×8 mm

It is suitable for motors within 500W, and is often used in trawlers, marine propellers, and low-power energy storage around 600W.

Starting from September 2020, only partial orders and order products are available.



13)3S 4S 120A 3.7V Same Port

SKU:0913A

Charging protection voltage: 4.25V

Charge release voltage: 4.19V

Balanced opening voltage 4.17V

Discharge protection voltage: 2.8V

Discharge release voltage: 3.0V

Balance current: 105 mA

Continuous discharge current: 120A

Continuous charging current: 60A

Current limit protection: 450A

Short circuit protection: load short circuit protection

Specification size: 115×66×8 mm

It is suitable for motors within 1000W, often used in trawlers, marine propellers, and low-power energy storage within 1200W.

Starting from September 2020, the new specifications will be officially produced to replace the old 120A



14)4S 120A 3.2V Same Port

SKU:0914A

Charging protection voltage: 3.75V

Charge release voltage: 3.6V

Balanced opening voltage 3.55V

Discharge protection voltage: 2.1V

Discharge release voltage: 2.5V

Balance current: 95 mA

Continuous discharge current: 90A

Continuous charging current: 90A

Current limit protection: 330A

Short circuit protection: load short circuit protection

Specification size: 115×66×8 mm

It is suitable for motors within 1000W, often used in trawlers, marine propellers, and low-power energy storage within 1200W.

Starting from September 2020, the new specifications will be officially produced to replace the old 120A

**15)3S 4S 160A 3.7V Same Port**

SKU: 0915

Charging protection voltage: 4.25V

Charge release voltage: 4.19V

Balanced opening voltage 4.17V

Discharge protection voltage: 2.8V

Discharge release voltage: 3.0V

Balance current: 105 mA

Continuous discharge current: 160A

Continuous charging current: 80A

Current limit protection: 650A

Short circuit protection: load short circuit protection

Specification size: 115×66×14 mm

Suitable for motors within 1500W, often used in trawlers, marine propellers, and low-power energy storage within 1500W.

Starting from September 2020, the new specifications will be officially produced to replace the old 160A

**16)4S 160A 3.2V Same Port**

SKU: 0916A

Charging protection voltage: 3.75V

Charge release voltage: 3.6V

Balanced opening voltage 3.55V

Discharge protection voltage: 2.1V

Discharge release voltage: 2.5V
Balance current: 95 mA
Continuous discharge current: 90A
Continuous charging current: 90A
Current limit protection: 650A
Short circuit protection: load short circuit protection
Specification size: 115×66×14 mm
Suitable for motors within 1500W, often used in trawlers, marine propellers, and low-power energy storage within 1500W.



17)3S 4S 180A 3.7V Same Port

SKU:1349
Charging type: same port
Charging protection voltage: 4.25V
Discharge protection voltage: 2.8V
Charge release voltage: 4.19V
Discharge release voltage: 3.0V
Balance voltage 4.18V
Balance current: 90MA
Charging current: 80A
Long-term continuous overcurrent value: 180A
Instantaneous current limit value: 650A
Short circuit protection: load short circuit
Dimensions: 150×80×14MM
Weight: 245g
It is suitable for motors within 1500W, and is often used in trawlers, marine propellers, and low-power energy storage within 1800W.



18)4S 180A 3.2V Same Port

SKU: 1350
Charging type: same port
Charging protection voltage: 3.75V
Discharge protection voltage: 2.1V
Charge release voltage: 3.6V
Discharge release voltage: 2.5V
Balance voltage 3.55V
Balance current: 90MA
Charging current: 80A
Long-term continuous overcurrent value: 180A
Instantaneous current limit value: 650A
Short circuit protection: load short circuit
Dimensions: 150×80×14MM



Weight: 245g

It is suitable for motors within 1500W, and is often used in trawlers, marine propellers, and low-power energy storage within 1800W.

Weight: 245g

It is suitable for motors within 1500W, and is often used in trawlers, marine propellers, and low-power energy storage within 1800W.

Starting from September 2020, the new specification officially produced, 180A

19)3S 4S 200A 3.7V Same Port

SKU:1292

Charging protection voltage: 4.25V

Charge release voltage: 4.19V

Balanced opening voltage 4.17V

Discharge protection voltage: 2.8V

Discharge release voltage: 3.0V

Balance current: 105 mA

Continuous discharge current: 200A

Continuous charging current: 100A

Current limit protection: 750A

Short circuit protection: load short circuit protection

Specification size: 115×66×14 mm

Suitable for motors within 2000W, often used in trawlers, marine propellers, and low-power energy storage within 2000W.



20)4S 200A 3.2V Same Port

SKU: 1469

Charging protection voltage: 3.75V

Charge release voltage: 3.6V

Balanced opening voltage 3.55V

Discharge protection voltage: 2.1V

Discharge release voltage: 2.5V

Balance current: 95 mA

Continuous discharge current: 90A

Continuous charging current: 90A

Current limit protection: 750A

Short circuit protection: load short circuit protection

Specification size: 115×66×14 mm

Suitable for motors within 2000W, often used in trawlers, marine propellers, and low-power energy storage within 2000W.



21)3S 4S 180A 3.7V Same Port New Big BMS

SKU: 1292A

Model specification: 4S-200A

Charging protection voltage: 4.25V

Charge release voltage: 4.19V

Balanced opening voltage 4.17V

Discharge protection voltage: 2.8V

Discharge release voltage: 3.0V

Balance current: 105 mA

Continuous discharge current: 180A

Continuous charging current: 100A

Current limit protection: 833A

Short circuit protection: load short circuit protection

Specification size: 163×82×14 mm

It is suitable for motors within 2000W, and is often used for energy storage within 2500W of load power.

New 2020

**22)4S 200A 3.2V Same Port New Big BMS**

SKU:1469A

Charging protection voltage: 3.75V

Charge release voltage: 3.6V

Balanced opening voltage 3.55V

Discharge protection voltage: 2.1V

Discharge release voltage: 2.5V

Balance current: 95 mA

Continuous discharge current: 200A

Continuous charging current: 100A

Current limit protection: 833A

Short circuit protection: load short circuit protection

Specification size: 163×82×14 mm

It is suitable for motors within 2000W, and is often used for energy storage within 2500W of load power.

**23)3S 4S 200A 3.7V Spit Port New Big BMS**

SKU:1852(3.7v) /1852(3.2v)

Charging type: Split port

Charging protection voltage: 3.75V

Discharge protection voltage: 2.1V

Charge release voltage: 3.6V

Discharge release voltage: 2.5V

Balance voltage 3.55V

Balance current: 90MA



Charging current: 45A

Continuous overcurrent value: 200A

Instantaneous current limit value: 750A

Short circuit protection: load short circuit

Dimensions: 150×80×14MM

Weight: 245g

Applicable: For solar battery group within 12V/500W, the maximum load power is applicable to 2000W

Applicable: For solar battery group within 12V/1000W, load power is suitable for 3000W

24)3S 4S 330A 3.7V Same Port

SKU:1396

Charging type: same port

Charging protection voltage: 4.25V

Discharge protection voltage: 2.8V

Charge release voltage: 4.19V

Discharge release voltage: 3.0V

Balance voltage 4.18V

Balance current: 90mA

Charging current: 80A

10-20min Continuous current :330A

Long-term continuous overcurrent value: 250A

Instantaneous current limit value: 1200A

Short circuit protection: load short circuit

Dimensions: 150×80×14MM

Weight: 245g

Application: 3000W for load power



25)4S 330A 3.2V Same Port

SKU:1397

Charging type: same port

Charging protection voltage: 3.75V

Discharge protection voltage: 2.1V

Charge release voltage: 3.6V

Discharge release voltage: 2.5V

Balance voltage 3.55V

Balance current: 90mA

Charging current: 80A

10-20min Continuous current :330A

Long-term continuous overcurrent value: 330A

Instantaneous current limit value: 1200A



26)3S 4S 330A 3.7V Split Port

SKU:

Charging type: Split port

Charging protection voltage: 4.25V

Discharge protection voltage: 2.8V

Charge release voltage: 4.19V

Discharge release voltage: 3.0V

Balance voltage 4.18V

Balance current: 90mA

Charging current: 80A

Long-term continuous overcurrent value: 300A

Instantaneous current limit value: 1200A

Short circuit protection: load short circuit

Dimensions: 150×80×14MM

Weight: 245g

Applicable: For solar battery group within 12V/1000W, load power is suitable for 3000W

**26)4S 330A 3.2V SplitPort**

SKU: 1484

Charging type: Split port

Charging protection voltage: 3.75V

Discharge protection voltage: 2.1V

Charge release voltage: 3.6V

Discharge release voltage: 2.5V

Balance voltage 3.55V

Balance current: 90mA

Charging current: 80A

Long-term continuous overcurrent value: 330A

Instantaneous current limit value: 1200A

Short circuit protection: load short circuit

Dimensions: 150×80×14MM

Weight: 245g

Applicable: For solar battery group within 12V/1000W, load power is suitable for 3000W

**27)3S 4S 380A 3.7V Same Port**

SKU:1336

Charging protection voltage: 4.25V

Discharge protection voltage: 2.8V

Charge release voltage: 4.18V

Discharge release voltage: 3.0V

Balanced voltage 4.17V



Balance current: 110MA
Long-term continuous overcurrent value: 380A
Instantaneous current limit value: 1800A
Short circuit protection: load short circuit
Dimensions: 163×82×14MM
Weight: 245g

28) 4S 380A 3.2V Same Port

SKU:1337
Charging protection voltage: 3.75V
Discharge protection voltage: 2.1V
Charge release voltage: 3.6V
Discharge release voltage: 2.5V
Balance voltage 3.55V
Balance current: 95MA
Long-term continuous overcurrent value: 380A
Instantaneous current limit value: 1800A
Short circuit protection: load short circuit
Dimensions: 163×82×14MM
Weight: 245g



● 3S 4S Specail battery Specifications

1)4S 80A 3.2V (26650 without bracket version)

SKU:1401
Special lithium battery protection board for motorcycle start
Charging protection voltage: 3.75V
Charge release voltage: 3.6V
Balanced opening voltage 3.55V
Discharge protection voltage: 2.1V
Discharge release voltage: 2.5V
Balance current: 95 mA
Continuous discharge current: 80A
Continuous charging current: 80A
Current limit protection: 400A
Specification size: 87×62×4 mm
Applicable batteries: American A123, Vaillant and other high-rate 26650 batteries, suitable for 1.0-displacement motorcycle starting, and auxiliary starting of cars with displacements within 2.0.



2)3S 80S 3.7V Same Port(21700 without bracket version)

SKU: 1535

Battery arrangement: 2 parallel 3 strings/21700 (dedicated type)

Charging type: Same port

Charging protection voltage: 4.25V

Discharge protection voltage: 2.8V

Charge release voltage: 4.19V

Discharge release voltage: 3.0V

Balanced voltage 4.17V

Balance current: 315MA

Charging current: 40A

Maximum continuous overcurrent value for a long time: 80A

Instantaneous current limit value: 500A

Short circuit protection: load short circuit

Dimensions: 115×68×4MM

Weight: 60g

Imported high-power ultra-low internal resistance MOS tube, high current passive balance

Application: For load battery packs within 12V/1000W, suitable for motors within 1000W

21700 specification lithium battery dedicated

**3)4S 80S 3.7V Same Port(21700 without bracket version)**

SKU:1536

Battery arrangement: 2 parallel 4 strings/21700 (dedicated type)

Charging type: same port

Charging protection voltage: 4.25V

Discharge protection voltage: 2.8V

Charge release voltage: 4.19V

Discharge release voltage: 3.0V

Balanced voltage 4.17V

Balance current: 315MA

Charging current: 40A

Maximum continuous overcurrent value for a long time: 80A

Instantaneous current limit value: 500A

Short circuit protection: load short circuit

Dimensions: 156×68×4MM

Weight: 60g



- **6-7S BMS specifications**

6-7 series specifications, belong to the lithium battery protection board in the 24V series voltage range, according to the different A number of the protection board, commonly used in power tools, mopeds, energy storage, etc.

1)6S 15A no balanced version

Charging protection voltage: 4.25V

Charge release voltage: 4.08V

Discharge protection voltage 2.5V

Discharge release voltage: 3.0V

Maximum continuous overcurrent: 15A

Current limit protection: 50A

Short circuit protection mode: load short circuit protection

Size: 50*32*4

Commonly used in electronic equipment Example: T12 soldering iron

**2)6S 20A balanced version**

SKU:1182

Charging protection voltage 4.25V

Discharge point protection voltage 2.7V

Charge release voltage 4.15V

Discharge recovery voltage 3.0V

Balanced opening voltage: 4.18V

Maximum continuous overcurrent: 20A

Balance current: 83mA

Current limit protection: 100A

Short circuit protection: load short circuit protection

Size: 50*35*4

Commonly used power tools within 350W

**3)6S 30A 3.7V Same Port SKU: 0942****7S 30A 3.7V Same Port SKU: 0943**

Charging protection voltage 4.25V

Discharge point protection voltage 2.7V

Charge release voltage 4.15V

Discharge recovery voltage 3.0V

Balanced opening voltage: 4.18V

Balance current: 83mA

Current limit protection: 110A

Short circuit protection: load short circuit protection

Size: 63*48*8MM

Wiring mode: Same port



Commonly used: power tools within 450W, mopeds, etc.

4)6S 60A 3.7V Same Port SKU: 0944

7S 60A 3.7V Same Port SKU: 0945

Charging protection voltage 4.25V

Discharge point protection voltage 2.7V

Charge release voltage 4.15V

Discharge recovery voltage 3.0V

Balanced opening voltage: 4.18V

Balance current: 83mA

Current limit protection: 220A

Short circuit protection: load short circuit protection

Wiring mode: Same port

Size: 63*48*14MM

Commonly used: power tools within 800W, mopeds, etc.



5) 6S 80A 3.7V Same Port SKU:1376

7S 80A 3.7V Same Port SKU:1377

Charging protection voltage: 4.25V

Charge protection release voltage: 4.15V

Discharge protection voltage: 2.7V

Discharge release voltage 3.0V

Balance voltage: 4.18V

Balance current: 83mA

Maximum continuous overcurrent: 120A

Current limit protection: 600A

Short circuit protection: load short circuit protection

Wiring mode: same port

Size: 115*66*8MM

Commonly used: power tools within 1200W (electric scissors, lawn mowers, etc.), marine propellers, scooters, 24V small inverters, etc.



6) 6S 120A 3.7V Same Port SKU:

7S 120A 3.7V Same Port SKU:

Charging protection voltage: 4.25V

Charge protection release voltage: 4.15V

Discharge protection voltage: 2.7V

Discharge release voltage 3.0V

Balance voltage: 4.18V

Balance current: 83mA

Maximum continuous overcurrent: 120A

Current limit protection: 600A

Short circuit protection: load short circuit protection



Wiring mode: same port

Size: 115×66×14MM

Commonly used: power tools (lawn mowers, etc.) within 2500W, high-power marine propellers, high-power scooters, 24V inverters, etc.

7)6S 150A 3.7V Same Port SKU:1380

7S 150A 3.7V Same Port SKU:1381

Charging protection voltage: 4.25V

Charge protection release voltage: 4.15V

Discharge protection voltage: 2.7V

Discharge release voltage 3.0V

Balance voltage: 4.18V

Balance current: 83mA

Maximum continuous overcurrent: 120A

Current limit protection: 600A

Short circuit protection: load short circuit protection

Wiring mode: same port

Size: 115×66×14MM

Commonly used: power tools (lawn mowers, etc.) within 3000W, high-power marine propellers, high-power scooters, 24V inverters, etc.



8)6S 200A 3.7V Same Port SKU:1384

7S 200A 3.7V Same Port SKU:1385

Charging protection voltage: 4.25V

Charge protection release voltage: 4.15V

Discharge protection voltage: 2.7V

Discharge release voltage 3.0V

Balance voltage: 4.18V

Balance current: 83mA

Maximum continuous overcurrent: 200A

Current limit protection: 750A

Short circuit protection: load short circuit protection

Wiring mode: same port

Size: 115×66×14MM

Commonly used: power tools (lawn mowers, etc.) within 3500W, high-power marine propellers, high-power scooters, 24V inverters, etc.



9) 6S 350A 3.7V Same Port SKU:1386

6S 350A 3.7V Same Port SKU:1387

Charge protection voltage: 4.28V

Charge protection release voltage: 4.08V

Discharge protection voltage: 2.8V
Discharge release voltage 3.0V
Balanced voltage: 4.17V
Balanced current: 83MA
Maximum continuous overcurrent: 350A
Current limit protection: 1500A
Short circuit protection: load short circuit protection
Size: 163 * 82 * 14MM
Commonly used: 6000W high-power inverter, solar energy storage, 24V car startup, etc.

**10) 6S 80A 3.7V Split Port SKU:1378****7S 80A 3.7V Split Port SKU:1379**

Charge protection voltage: 4.28V
Charge protection release voltage: 4.08V
Discharge protection voltage: 2.8V
Discharge release voltage 3.0V
Balanced voltage: 4.17V
Balanced current: 83MA
Maximum continuous overcurrent: 80A
Current limit protection: 200A
Short circuit protection: load short circuit protection
Size: 83 * 55 * 8MM
Wiring method: split
Commonly used: 1200W inverters, etc.

**11) 6S 150A 3.7V Split Port SKU:1382****7S 150A 3.7V Split Port SKU:**

Charge protection voltage: 4.28V
Charge protection release voltage: 4.08V
Discharge protection voltage: 2.8V
Discharge release voltage 3.0V
Balanced voltage: 4.17V
Balanced current: 83MA
Maximum continuous overcurrent: 150A
Current limit protection: 400A
Short circuit protection: load short circuit protection
Wiring method: split
Size: 83 * 55 * 14MM
Commonly used in: 2500W specifications inverter, etc.



- **8S BMS (All for Lifepo4)**

The 8 series iron lithium series also belong to the 24V series, with a full charge of about 29.6V. According to the different current resistance A number of the protection board, it can be commonly used in power tools, energy storage, solar energy storage, and engine starting

1)8S 30A 3.2V Same Port

SKU:

Charging type: same port

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.7V

Balance voltage 3.5V

Balance current: 83mA

Charging current: 15A

Long-term continuous overcurrent value: 30A

Instantaneous current limit value: 100A/100ms

Short circuit protection: load short circuit

Charging low temperature/high temperature protection: -7°C/55°C

Discharge high temperature protection: 75°C

Dimensions: 63×48×8MM

Weight: 47g

Imported high-power ultra-low internal resistance MOS tube

Application: 24V/500W internal motor and low-power energy storage, commonly used in low-speed wheelchair vehicles, low-power marine propellers, and low-power lawn mowers

**2)8S 50A 3.2V Same Port**

SKU:1372

Charging type: same port

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.7V

Balance voltage 3.5V

Balance current: 83mA

Charging current: 50A

Long-term continuous overcurrent value: 60A

Instantaneous current limit value: 350A/100ms

Short circuit protection: load short circuit

Charging low temperature/high temperature protection: -



7°C/55°C

Discharge high temperature protection: 75°C

Dimensions: 72×55×8MM

Weight: 89g

Imported high-power ultra-low internal resistance MOS tube/1.1 milliohms

Application: 24V/1200W motor and low-power energy storage

3)8S 80A 3.2V Same Port

SKU:1373

Charging type: same port

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.7V

Balance voltage 3.5V

Balance current: 83MA

Charging current: 50A

Continuous overcurrent value: 80A

Instantaneous current limit value: 450A/100ms

Short circuit protection: load short circuit

Charging low temperature/high temperature protection: -7°C/55°C

Discharge high temperature protection: 75°C

Dimensions: 115×66×8MM

Weight: 89g

Imported high-power ultra-low internal resistance MOS tube/0.7 milliohm

Application: 24V/1200W motor and low-power energy storage



4)8S 120A 3.2V Same Port

SKU:0965

Charging type: Same port

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.7V

Balance voltage 3.5V

Balance current: 83MA

Charging current: 50A

Continuous overcurrent value: 120A

Instantaneous current limit value: 450A/100ms



Short circuit protection: load short circuit

Charging low temperature/high temperature protection: -7°C/55°C

Discharge high temperature protection: 75°C

Dimensions: 115×66×14MM

Weight: 142g

Imported high-power ultra-low internal resistance MOS tube/1.1 milliohms

Application: 24V/2400W motor and low-power energy storage

4)8S 150A 3.2V Same Port

SKU:1791

Charging type: same port

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.7V

Balance voltage 3.5V

Balance current: 83MA

Charging current: 50A

Continuous overcurrent value: 150A

Instantaneous current limit value: 450A/100ms

Short circuit protection: load short circuit

Charging low temperature/high temperature protection: -7°C/55°C

Discharge high temperature protection: 75°C

Dimensions: 115×66×14MM

Weight: 142g

Imported high-power ultra-low internal resistance MOS tube/0.7 milliohm

Application: 24V/2800W motor and high-power energy storage



5)8S 180A 3.2V Same Port

SKU:1792

Charging type: Same port

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.7V

Balance voltage 3.5V

Balance current: 83M

Charging current: 50A

Continuous overcurrent value: 180A

Instantaneous current limit value: 650A/100ms

Short circuit protection: load short circuit

Charging low temperature/high temperature protection: -7°C/55°C

Discharge high temperature protection: 75°C

Dimensions: 150×80×14MM

Weight: 236g

Imported high-power ultra-low internal resistance MOS tube/0.7 milliohm

Application: 24V/3000W motor and high-power energy storage



6)8S 200A 3.2V Same Port old verison

Sku:1374

Size: 115×66×14 mm

Overcharge protection : 3.75v

Overcharge release voltage: 3.6V

Balanced turn-on voltage: 3.55V

Discharge protection voltage: 2.1V

Over-discharge release voltage: 2.5V

Abnormal high voltage protection

Temperature protection optional

Maximum continuous current : 200A

Discharge over current protection : 1000A

Load short circuit protection

Balance current : 67 mA

Charging recovery

Application:

Applicable to all kinds of common customized high and medium power lithium batteries



7)8S 200A 3.2V Same Port New verison

SKU:1374A

Dimensions: 163×82×14MM

Charging type: same port

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.7V

Balance voltage 3.5V

Balance current: 83MA

Charging current: 50A



Long-term continuous overcurrent value: 80A
Instantaneous current limit value: 650A/100ms
Short circuit protection: load short circuit
Charging low temperature/high temperature protection: -7°C/55°C
Discharge high temperature protection: 75°C
Weight: 245g
Imported high-power ultra-low internal resistance MOS tube/0.7 milliohm
Application: 24V/3500W motor and high-power energy storage

8)8S 200A 3.2V Split Port

SKU:2228
Charging type: Split port
Charging protection voltage: 3.75V
Discharge protection voltage: 2.2V
Charge release voltage: 3.55V
Discharge release voltage: 2.5V
Balance voltage 3.5V
Balance current: 83mA
Charging current: 80A
Long-term continuous overcurrent value: 300A
Instantaneous current limit value: 1200A
Short circuit protection: load short circuit
Dimensions: 150×80×14MM
Weight: 245g
Imported high-power ultra-low internal resistance MOS tube
Application: solar charging energy storage system within 24V/1200W, etc., the maximum load power can withstand 3500W

**9)8S 330A 3.2V Split Port**

SKU:1618
Charging type: split port
Charging protection voltage: 3.75V
Discharge protection voltage: 2.2V
Charge release voltage: 3.55V
Discharge release voltage: 2.5V
Balance voltage 3.5V
Balance current: 83mA
Charging current: 80A
Long-term continuous overcurrent value: 300A



Instantaneous current limit value: 1200A

Short circuit protection: load short circuit

Dimensions: 150×80×14MM

Weight: 245g

Imported high-power ultra-low internal resistance MOS tube

Application: Solar charging energy storage system within 24V/2000W, etc., the maximum load power can withstand 7000W

10)8S 350A 3.2V Same Port Port

SKU:1531

Charging protection voltage: 3.75V

Charge protection release voltage: 3.55V

Discharge protection voltage: 2.2V

Discharge release voltage 2.7V

Balance voltage: 3.5V

Balance current: 83MA

Maximum continuous overcurrent: 350A

Current limit protection: 1500A

Short circuit protection: load short circuit protection

Size: 163*82*14MM

Commonly used: 6000W high-power inverter, solar energy storage, 24V car start, etc.

Remarks: 8 strings of 200A iron lithium 115×66MM size specifications, when running at full power, the heat generation is high, foreign trade orders can continue to be sold, and domestic sales are suspended. The new specifications are replaced by 163×82MM specifications



16S BMS Specification

1)16S 60A 3.2V Same Port

SKU:0955

Size: 115×66×10

Overcharge protection : 3.75v

Over-discharge protection : 2.1v

Abnormal high voltage protection

Temperature protection optional

Maximum continuous current : 60A

Discharge over current protection : 250A

Load short circuit protection

Balance current : 67 m

Charging recovery

Application

Applicable to all kinds of common customized high and medium power lithium batteries



2)16S 80A 3.2V Same Port 80v

SKU:1926

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.70V

Balance voltage 3.50V

Balance current: 73mA

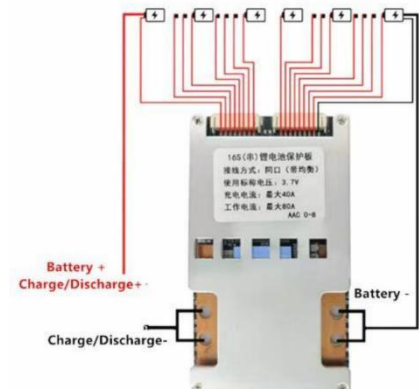
Max continuous overcurrent value: 80A

Instantaneous current limit value: 415A

Short circuit protection: load short circuit

Dimensions: 115×66×8MM

Weight: 75g



Main application range: electric vehicles within 48V1200W, 48V marine propellers, 48V lawn mowers and other electrical products

3)16S 80A 3.7V Same Port

SKU:1925

Charging protection voltage: 4.25V

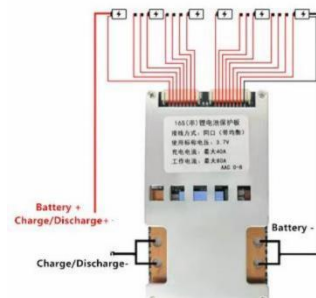
Discharge protection voltage: 2.7V

Charge release voltage: 4.15V

Discharge release voltage: 3.0V

Balanced voltage 4.18V

Balance current: 83mA



Max Continuous overcurrent value: 80A

Instantaneous current limit value: 415A

Short circuit protection: load short circuit

Dimensions: 115×66×8MM

Weight: 75g

Main application range: electric vehicles within 60V1200W,
48V marine propellers, 48V lawn mowers and other electrical
products

4)16S 120A 3.2V Same Port

SKU:0967

Size: 115×66×17

Internal resistance:4mΩ

Overcharge protection : 3.75v

Over-discharge protection : 2.1v

Abnormal high voltage protection

Temperature protection optional

Maximum continuous current : 120A

Discharge over current protection : 500A

Load short circuit protection

Balance current : 67 mA

Charging recovery

Application:Applicable to all kinds of common customized
high and medium power lithium batteries



5)16S 120A 3.7V Same Port

SKU:0957

Size: 115×66×17

Overcharge protection : 4.28v

Over-discharge protection : 2.7v

Abnormal high voltage protection

Temperature protection optional

Maximum continuous current : 120A

Discharge over current protection : 500A

Load short circuit protection

Balance current : : 83 mA

Charging recovery

Application:

Applicable to all kinds of common customized high and
medium power lithium batteries



6)16S 160A 3.2V Same Port

SKU:1335

Size: 115 * 66 * 14MM

Charge protection voltage: 3.75V
Charge release voltage 3.6V
Discharge protection voltage 2.1V
Discharge release voltage 2.5V
Balanced voltage 3.55V
Balanced current: 83MA
Maximum continuous overcurrent 160A
Instantaneous current limit protection: 550A
Short circuit protection: load short circuit protection



7)16S 160A 3.7V Same Port

SKU:1334
Charging protection voltage: 4.25V
Discharge protection voltage: 2.7V
Charge release voltage: 4.15V
Discharge release voltage: 3.0V
Balanced voltage 4.18V
Balance current: 83MA
Long-term continuous overcurrent value: 250A
Instantaneous current limit value: 750A
Short circuit protection: load short circuit
Dimensions: 115×66×14MM
Weight: 100g



Main applications: electric vehicles within 60V2500W, 48V marine propellers, 48V lawn mowers and other electrical products

8)16S 200A 3.2V Same Port 80V

SKU:2229
Charging protection voltage: 3.75V
Discharge protection voltage: 2.2V
Charge release voltage: 3.55V
Discharge release voltage: 2.70V
Balance voltage 3.50V
Balance current: 73MA
Continuous overcurrent value: 200A
Instantaneous current limit value: 900A
Short circuit protection: load short circuit
Dimensions: 190×97×14MM
Weight: 220g



Main application range: four-wheel electric vehicles within 48V5000W, high-power marine propellers, and other electric products

9)16S 200A 3.7V Same Port

SKU:2230

Charging protection voltage: 4.25V

Discharge protection voltage: 2.7V

Charge release voltage: 4.15V

Discharge release voltage: 3.0V

Balanced voltage 4.18V

Balance current: 83mA

Max continuous overcurrent value: 200A

Instantaneous current limit value: 900A

Short circuit protection: load short circuit

Dimensions: 190×97×14MM

Weight: 220g

Main application range: four-wheel electric vehicles within 48V4000W, high-power marine propellers, and other electric products

10)16S 250A 3.2V Same Port

SKU:1468

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.70V

Balance voltage 3.50V

Balance current: 73mA

Max Continuous overcurrent value: 250A

Instantaneous current limit value: 1 100A

Short circuit protection: load short circuit

Dimensions: 150×80×14MM

Weight: 220g

Main application range: four-wheel electric vehicles within 48V5000W, high-power marine propellers, and other electric products

11)16S 250A 3.7V Same Port

SKU:1467

Charging protection voltage: 4.25V

Discharge protection voltage: 2.7V

Charge release voltage: 4.15V

Discharge release voltage: 3.0V



Balanced voltage 4.18V

Balance current: 83MA

Max continuous overcurrent value: 250A

Instantaneous current limit value: 1100A

Short circuit protection: load short circuit

Dimensions: 150×80×14MM

Weight: 220g

Main application range: four-wheel electric vehicles within 60V5000W, high-power marine propulsion, and other electric products

12)16S 300A 3.2V Same Port

SKU: 2231

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.70V

Balance voltage 3.50V

Balance current: 73MA

Max Continuous overcurrent value: 300A

Instantaneous current limit value: 1500A

Short circuit protection: load short circuit

Dimensions: 190×97×14MM

Weight: 220g

Main application range: four-wheel electric vehicles within 48V7000W, high-power marine propellers, and other electric products



13)16S 300A 3.7V Same Port

SKU: 2232

Charging protection voltage: 4.25V

Discharge protection voltage: 2.7V

Charge release voltage: 4.15V

Discharge release voltage: 3.0V

Balanced voltage 4.18V

Balance current: 83MA

Max continuous overcurrent value: 300A

Instantaneous current limit value: 1500A

Short circuit protection: load short circuit

Dimensions: 190×97×14MM

Weight: 220g

Main application range: four-wheel electric vehicles within 60V7000W, high-power marine propellers, and other electric products



14)16S 150A 3.2V Split Port

SKU: 2233

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.70V

Balance voltage 3.50V

Balance current: 73mA

Charging current: 60A

Maximum continuous overcurrent for a long time: 150A

Instantaneous current limit value: 600A

Short circuit protection: load short circuit

Dimensions: 150×80×14MM

Weight: 200g

Suitable for: household 48V high-power solar energy storage, matching solar panels within 2000W, continuous load equipment within 5000W

**14)16S 250A 3.2V Split Port**

SKU: 1620

Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.70V

Balance voltage 3.50V

Balance current: 73mA

Long-term charging current: 100A

Maximum continuous overcurrent for a long time: 250A

Instantaneous current limit value: 1100A

Short circuit protection: load short circuit

Dimensions: 150×80×14MM

Weight: 220g

Suitable for: household 48V high-power solar energy storage, matching solar panels within 3800W, load instant power matching within 9000W, continuous load equipment within 5000W

**15)16S 350A 3.2V Split/Same Port**

SKU: 2103

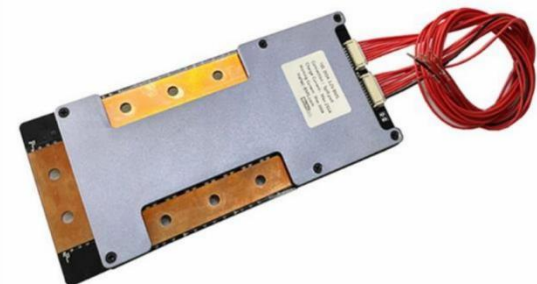
Charging protection voltage: 3.75V

Discharge protection voltage: 2.2V

Charge release voltage: 3.55V

Discharge release voltage: 2.70V

Balance voltage 3.50V



Balance current: 73mA

Long-term charging current: 200A

Maximum continuous overcurrent for a long time: 350A

Instantaneous current limit value: 1500A

Short circuit protection: load short circuit

Dimensions: 209×97×14MM

Weight: 300g

Suitable for: household 48V high-power solar energy storage, matching solar panels within 6000W, load instant power matching load equipment within 10KW

5)16S-130A-3.7V-Same-Port

SKU:0957A

Size: 115×66×17

Internal resistance:1.8mΩ

Overcharge protection : 4.28v

Over-discharge protection : 2.7v

Abnormal high voltage protection

Temperature protection optional

Maximum continuous current : 120A

Discharge over current protection : 500A

Load short circuit protection

Balance current : : 83 mA

Charging recovery

Application:

Applicable to all kinds of common customized high and medium power lithium batteries

