



Hipower New Energy Group Co., Ltd

Catalogue from Hipower New Energy Group Co., Ltd.

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*Address: Hipower industry Zone, Lin'gang economic developing area,
Qingdao city, Shandong province, China*

Item: Uninterruptible Power Supply

Model: 500VA

Description:

Size: 260mm*248mm*102mm

Weight: 4.5 kg



Model: 1000VA

Description:

Size: 310mm*270mm*132mm

Weight: 8 kg



Model: 2000VA

Description:

Size: 400mm*315mm*128mm

Weight: 12 kg





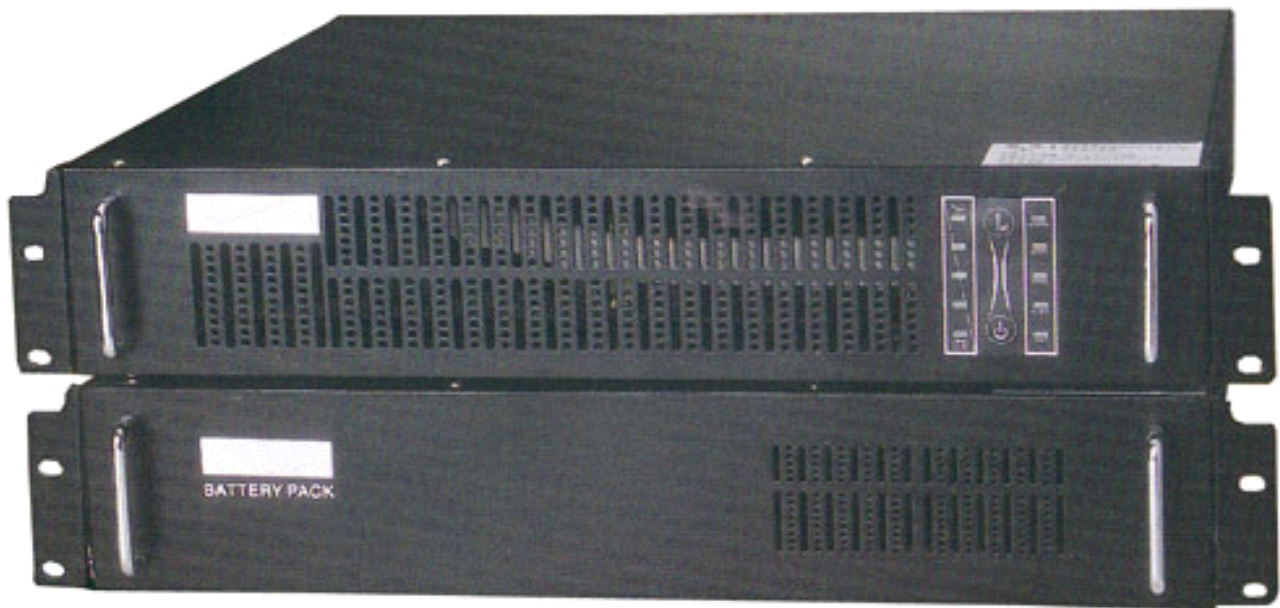
Model		C0.5KVA	C1KVA	C2KVA
Input	Voltage	220VAC		
	Frequency	46HZ-54HZ/56HZ-64HZ		
	Amperage(max)	6A	12A	20A
Output	Voltage	220VAC(1±2%)		
	Frequency	(50HZ/60HZ)±0.2HZ		
Battery	Type	Sealed Maintenance Free LiFePO4 Batteries		
	Capacity	40AH	60AH	80AH
	Backup Time (minute)	≥ 40	≥ 30	≥ 20
Transfer Time		0 ms		
Size W*H*D(mm)		260*248*102	310*270*132	400*315*128
Weight (kg)		4.5	8	12

Model: C3KS

Description:

Size: 192*460*340

Weight: 14kg





Model: C6KS&C10KS&C15KS&C20KS

Description:

Size: 260*570*717mm





Model		C3KS	C6KS		C10KS		C15KS		C20KS	
			1/1	3/1	1/1	3/1	1/1	3/1	1/1	3/1
Input	Voltage	220VAC	(176-276)V AC	(304-478) VAC	(176-276) VAC	(304-478)V AC	(176-276)V AC	(304-478) VAC	(176-276) VAC	(304-478) VAC
	Frequency	46HZ-54HZ/ 56HZ-64HZ	50/60HZ							
Output	Voltage	220VAC(1±2%)	240VAC							
	Frequency	(50HZ/60HZ) ±0.2HZ	50/60HZ							
Battery	Type	Sealed Maintenance Free LiFePO4 Batteries								
	Capacity	Customized design								
	Backup Time	Customized design								
Transfer Time		0 ms								
Size W*H*D(mm)		192*460*340	260*570*717							
Weight (kg)		14	42	44	46	48	58	60	58	60

Item: LiFePO4 Batteries**Hipower Prismatic Batteries List (Capacity)**

Nu mb er	Item	Model	Dimension(mm)	Capacity	Voltage (V)	Inner Resistance (mΩ)	Weight(g)	Material of shell
1	HP P331016C 20Ah	33101161	33×101×161	20Ah	3.0	<1.5	700±20	Plastic
2	HP P491016C 30Ah	49102159	49×102×159	30Ah	3.0	<1.5	1000±20	Plastic
3	HP P571116C 40Ah	57111161	57×111×161	40Ah	3.0	<1.2	1340±20	Plastic
4	HP P421519C 50Ah	42152186	42×152×186	50Ah	3.0	<1	1620±20	Plastic
5	HP P571722C 100Ah	57169216	57×169×216	100Ah	3.0	<1	3200±50	Plastic
6	HP P592233C 200Ah	59224334	59×224×334	200Ah	3.0	<0.8	6350±50	Plastic
7	HP P712830C 300Ah	71283300	71×283×300	300Ah	3.0	<0.8	9300±50	Plastic

Hipower Cylindrical Batteries List (Capacity)

1	HP R42107 C 12Ah	42107	φ42*107	10Ah	3.0	<9	305±5	Aluminum
2	HP R42105 C 12Ah	42105	φ42*105	10Ah	3.0	<9	305±5	Aluminum
3	HP R38107 C 9Ah	38107	φ38*107	8Ah	3.0	<10	260±5	Aluminum

Hipower Prismatic Batteries List (Power)

Nu mb er	Item	Model	Dimension(mm)	Normal Capacity	Volatag e(V)	Inner Resistance (mΩ)	Weight(g)	Material of shell
1	HP P411017P 20Ah	41103168	41×103×168	20Ah	3.0	<1.2	880±20	Plastic
2	HP P581017P 30Ah	58103168	58×103×168	30Ah	3.0	<1	1215±20	Plastic
3	HP P661117P 40Ah	66113168	66×113×168	40Ah	3.0	<1	1520±20	Plastic
4	HP P551315P 40Ah	55125151	55×125×151	40Ah	3.0	<1	1450±20	Plastic
5	HP P501519P 50Ah	50152189	50×152×189	50Ah	3.0	<1	1930±20	Plastic

6	HP P611120P 60Ah	61114199	61×114×199	60Ah	3.0	<1	2040±20	Plastic
7	HP P731218P 60Ah	73123176	73×123×176	60Ah	3.0	<1	2170±20	Plastic
8	HP P501628P 100Ah	50163278	50×163×278	100Ah	3.0	<1	3400±50	Plastic
9	HP P851724P 160Ah	85169235	85×169×235	160Ah	3.0	<0.8	5250±50	Plastic
10	HP P721828P 180Ah	72183276	72×183×276	180Ah	3.0	<0.8	5800±50	Plastic
11	HP P702624P 200Ah	70255236	70×255×236	200Ah	3.0	<0.6	6400±50	Plastic

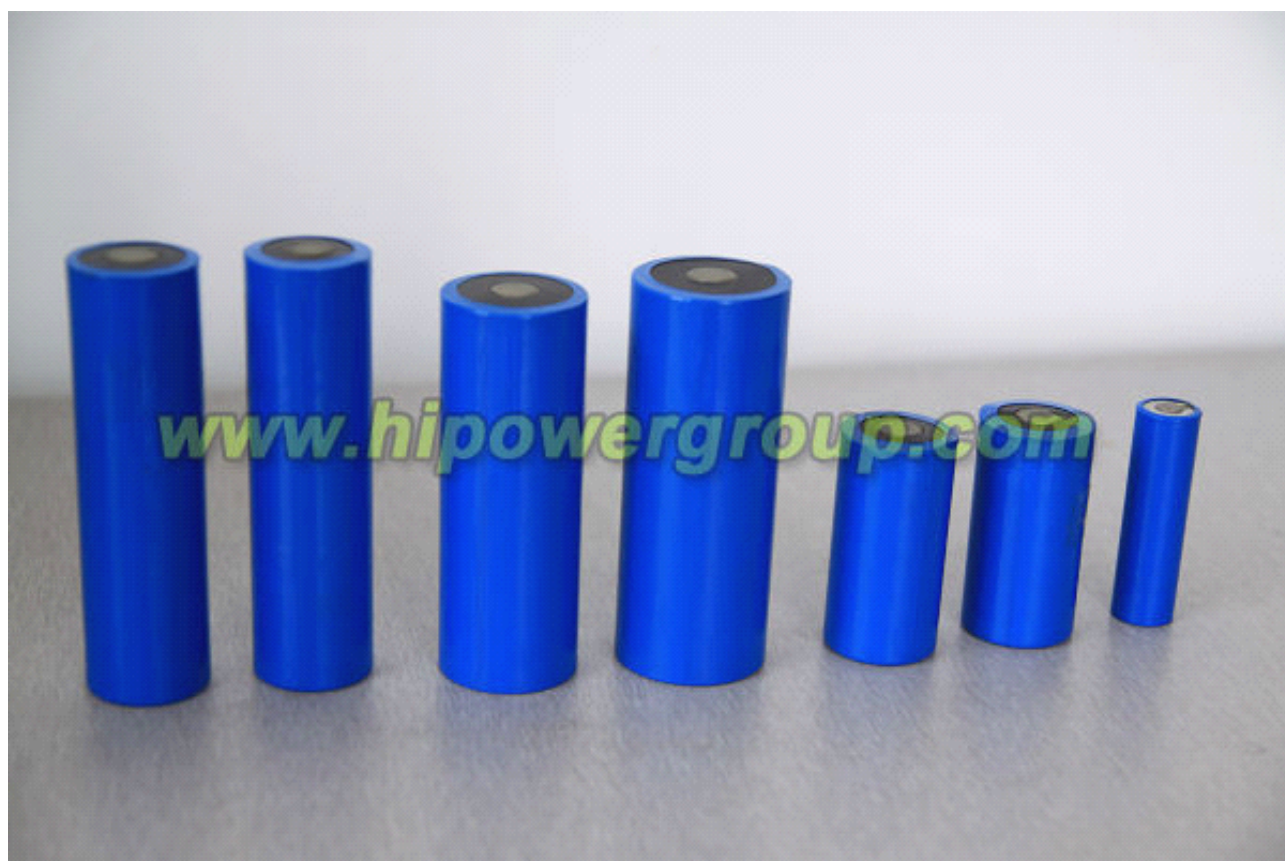
Hipower Cylindrical Batteries List (Power)

1	HP R42107 P 10Ah	42107	φ42*107	10Ah	3.0	<5	305±5	Aluminum
2	HP R42105 P 10Ah	42105	φ42*105	10Ah	3.0	<5	305±5	Aluminum
3	HP R38107 P 8Ah	38107	φ38*107	8Ah	3.0	<6	260±5	Aluminum

Description:







Item: Battery Management System

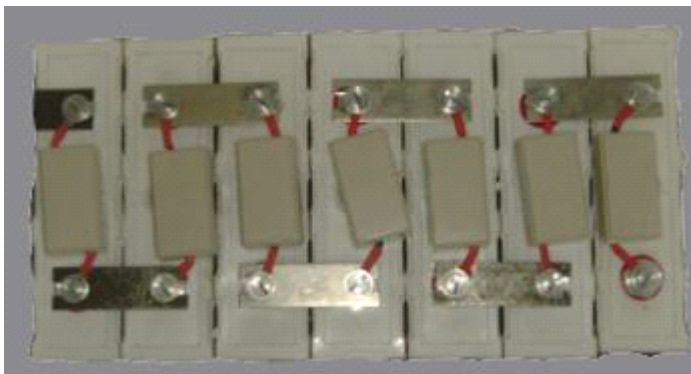
Description:

There are 5 parts for the whole BMS system with a CAN BUS.

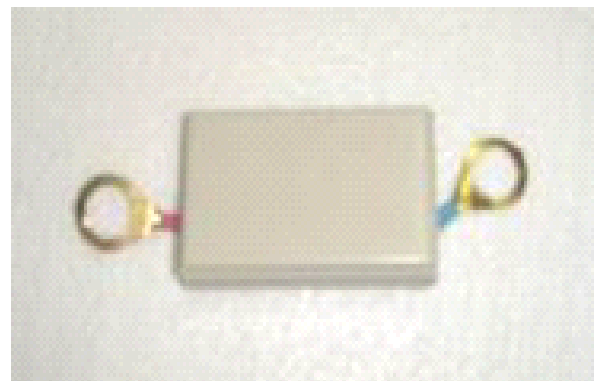


1. Cell Equalizer:

Every sing cell needs one Cell Equalizer. There are 3 types of Equalizer, you can select one based on engineer suggestion. (30g/pcs)



Cell Equalizer for each cell



Single Cell Equalizer

- A. 400mA Capacity—60AH cells or higher (<10A)**
- B. 800mA Capacity— 100AH cells or higher (10-20A)**
- C. 1500mA Capacity—60AH cells or higher (>20A)**

2. Central Control Module/ Mainboard



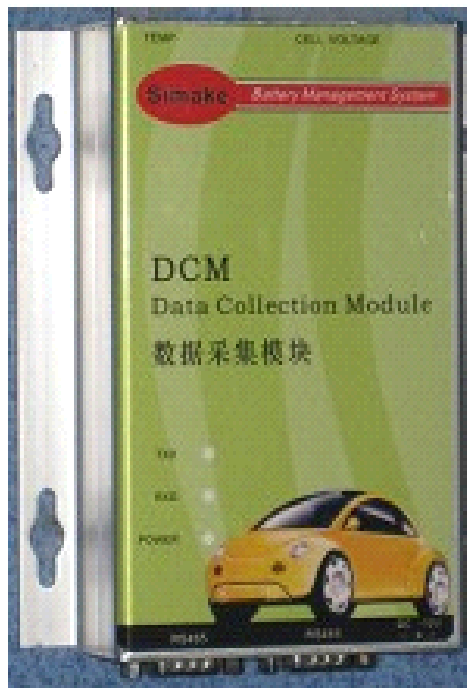
Dimension (190*175*75mm); weight: 0.4kg

The MasterBox (no more than 48 units, battery pack volt $\leq 144V$).

The MasterBox (between 48 and 72 units, $144V < BP \text{ volt} \leq 216V$).

The MasterBox (more than 72 units, battery pack volt $> 216V$).

3. Data Collection Module



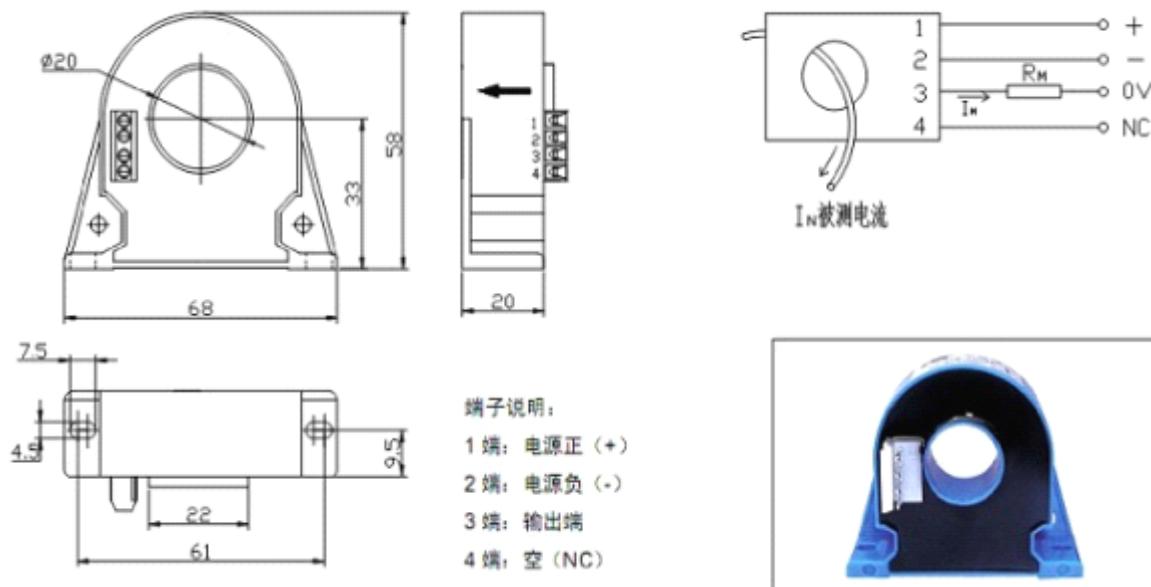
Dimension: 155*120*35mm; weight: 0.4kg

Each Slave / DCM control 8 – 16 serial units.

The term 'Units' means the cells which are in parallel for increasing capacity, but voltage remains at 3V. For example, three each 100AH cells in parallel will configure 3V300AH, but

still be considered as one (1) unit. A 96Vsystem would involve placing 32 cells in series. For that configuration you would select 4 Slave's and specify that each Slave would control 8 units; or you may select 2 pcs of Slave, specify that each Slave would control 16 units. How many units needed mainly depends on how many groups the battery pack would be divided into.

4. Current Sensor



Current Sensor (200A)

Current Sensor (500A)

5. Touch Screen



Dimension 96*81*46 mm; 0.2kg

Dimension 172*140*60mm; 0.8kg

