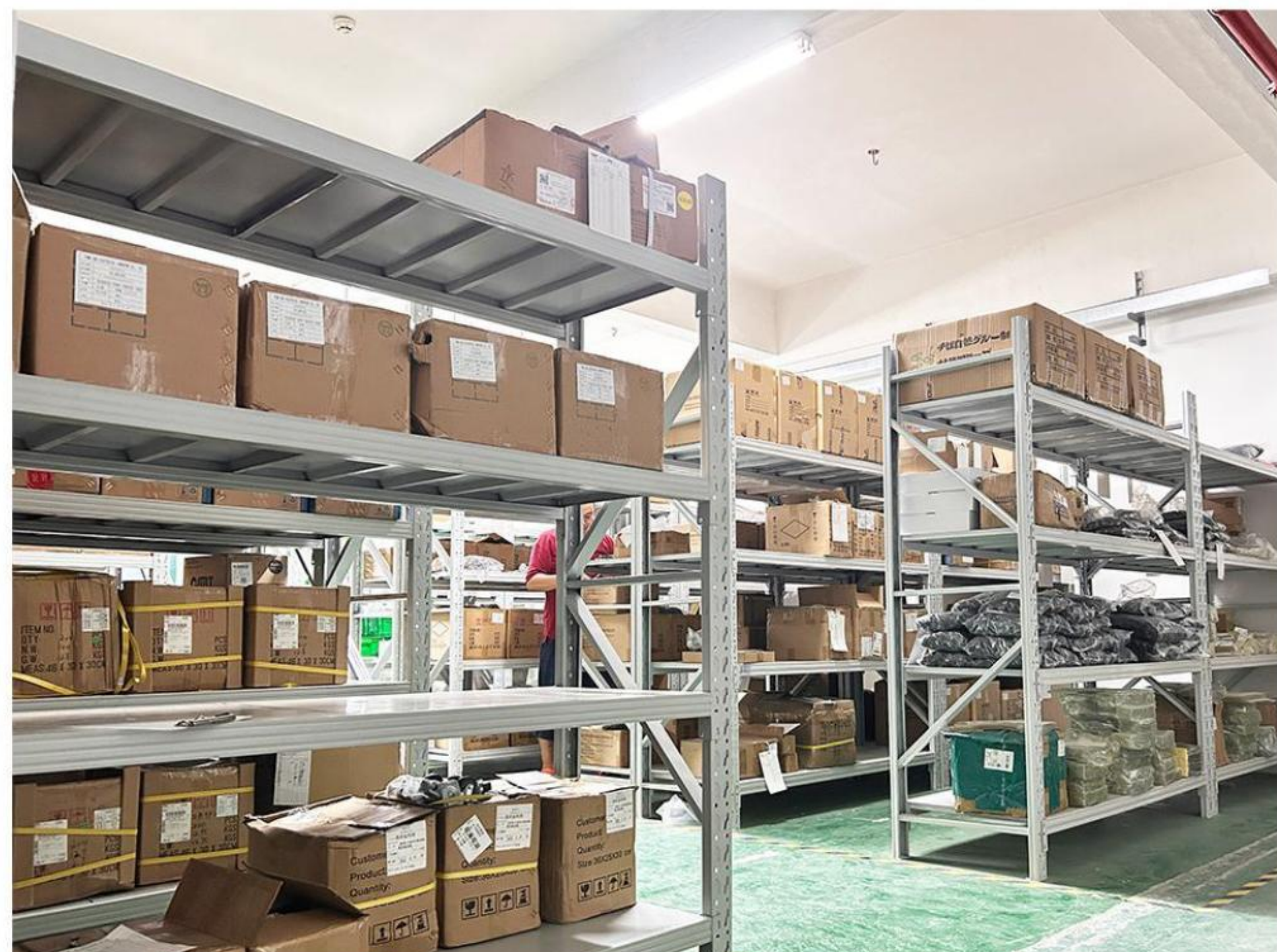


# Battery

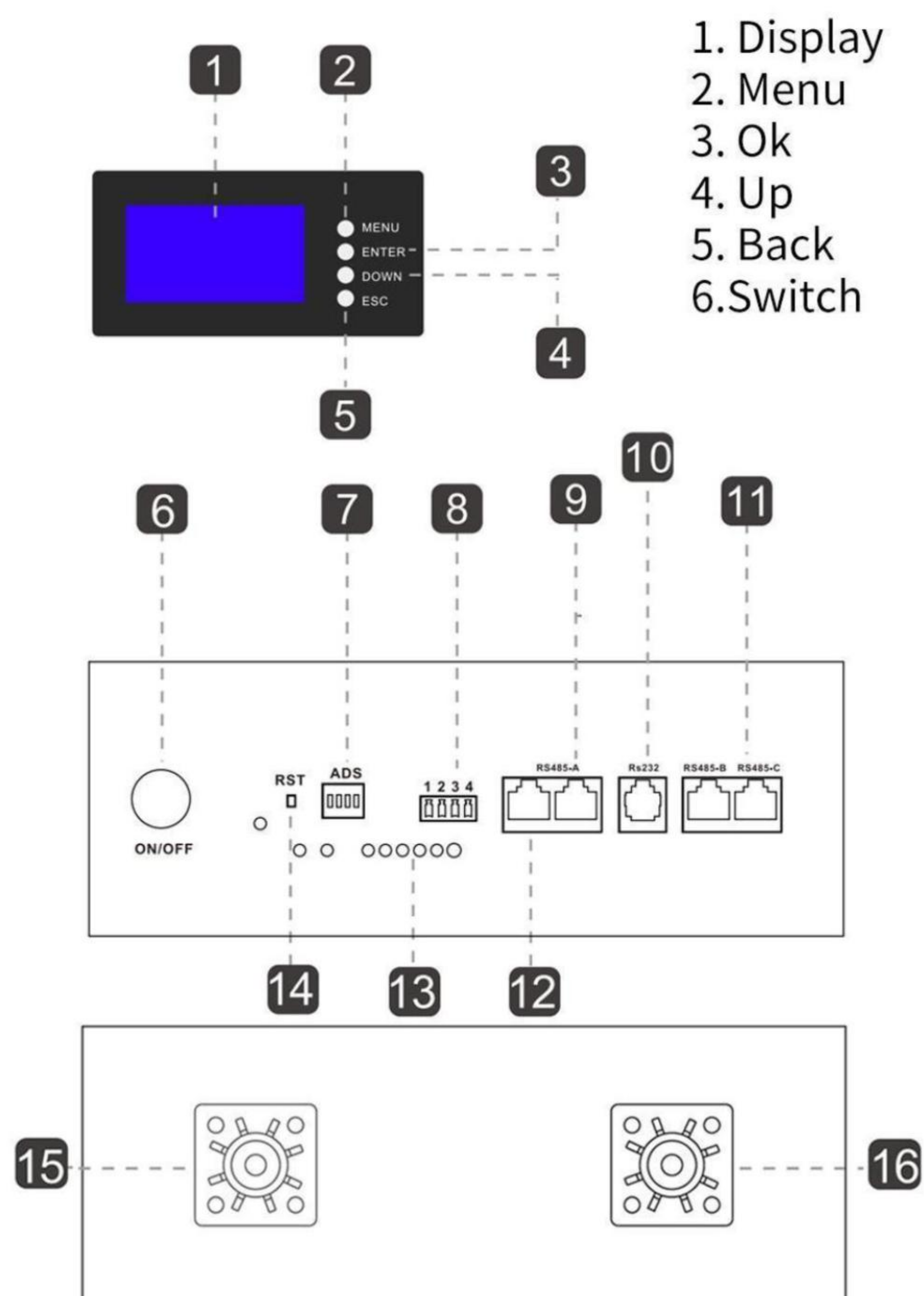


## Factory picture





## A-GRADE LITHIUM IRON PHOSPHATE BATTERY PACK




7. Dip switch    8. Dry contact    9. RS485    10. RS232    11. Parallel communication interfaces  
12. CAN port    13. Battery indicator    14. Reset button    15. Battery positive    16. Battery negative


### Features:

- **Longer cycle life:** the cycle life of the battery pack can reach 6000 times, which is 5 times the replacement and maintenance cost of the lead-acid battery
- **Lighter weight:** High energy density, weight is 40% of the lead-acid battery
- **Large discharge rate:** provides 2 times the discharge rate of the lead-acid battery, while maintaining a wider capacity of 95% or more
- **Temperature range** :-20° C ~60 ° C
- Supports CAN communication, RS232 communication, dual-channel (RS485) communication
- Multiple battery strings can be connected in parallel
- **Wide range of applications:** Indoor/wall-mounted, home energy storage system, UPS backup power supply It can provide electricity for homes, public facilities, small factories, etc



model		AP-529H
Rated battery voltage		51.2V
Electrical characteristics	rated power	15000W
	Nominal capacity	300Ah
	Combination method	16S1P
	cycle life	≥6000 cycles @80%DOD @35°C
	Monthly self-discharge	3%/ Month
	Charging efficiency	>97%
	Discharge efficiency	>98%
Charging standard	Recommended charging voltage	57.6V
	Recommended: Recommended charging current	60A
	Maximum charging voltage	58.4V
	Maximum charging current	200 A
Discharge standard	Recommended discharge current	150A
	Maximum discharge current	200 A
	Discharge termination voltage	43.2V
Battery specifications	Battery size (W*D*H)(mm)	780*460*260MM
	Packing size (W*D*H)(mm)	1100*540*410MM
	Net weight(kg)	116 KG
	Gross weight (kg)	136 KG
	Protection level	IP30
	shell material	Case of metal
other	Charging temperature range	0°C~45°C
	Discharge temperature range	-20°C~60°C
	storage temperature	0°C~40°C
	humidity	10%-85% relative humidity (no condensation)


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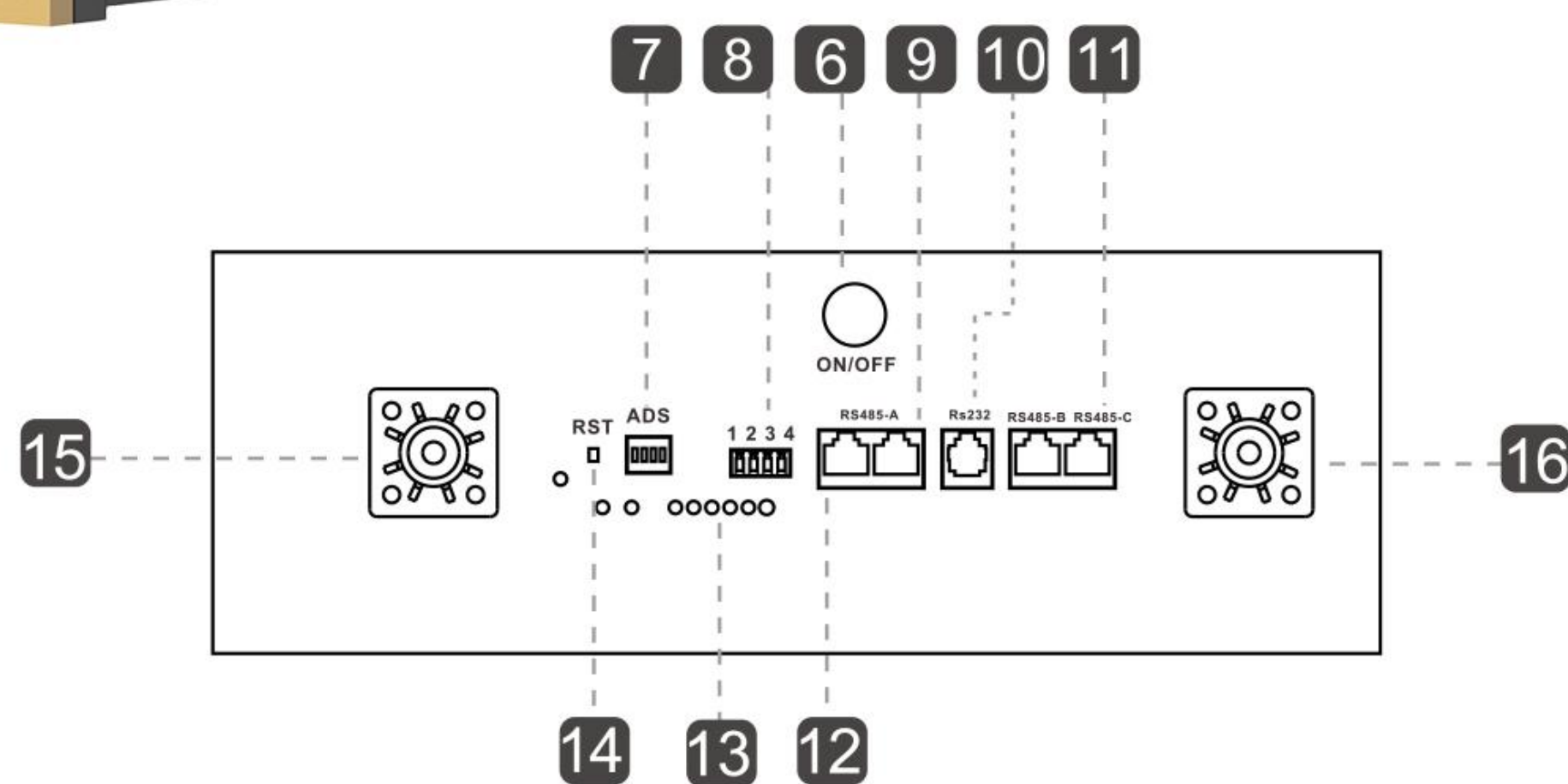
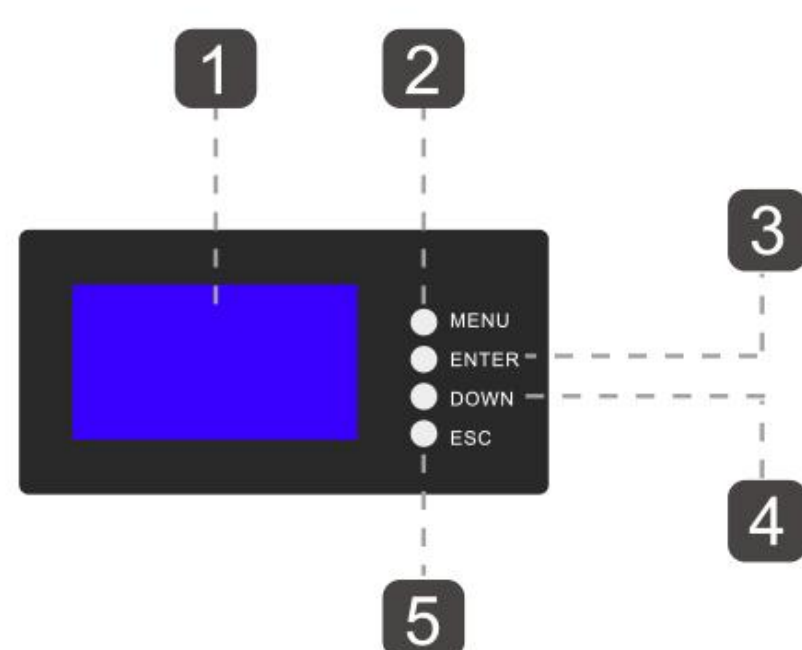
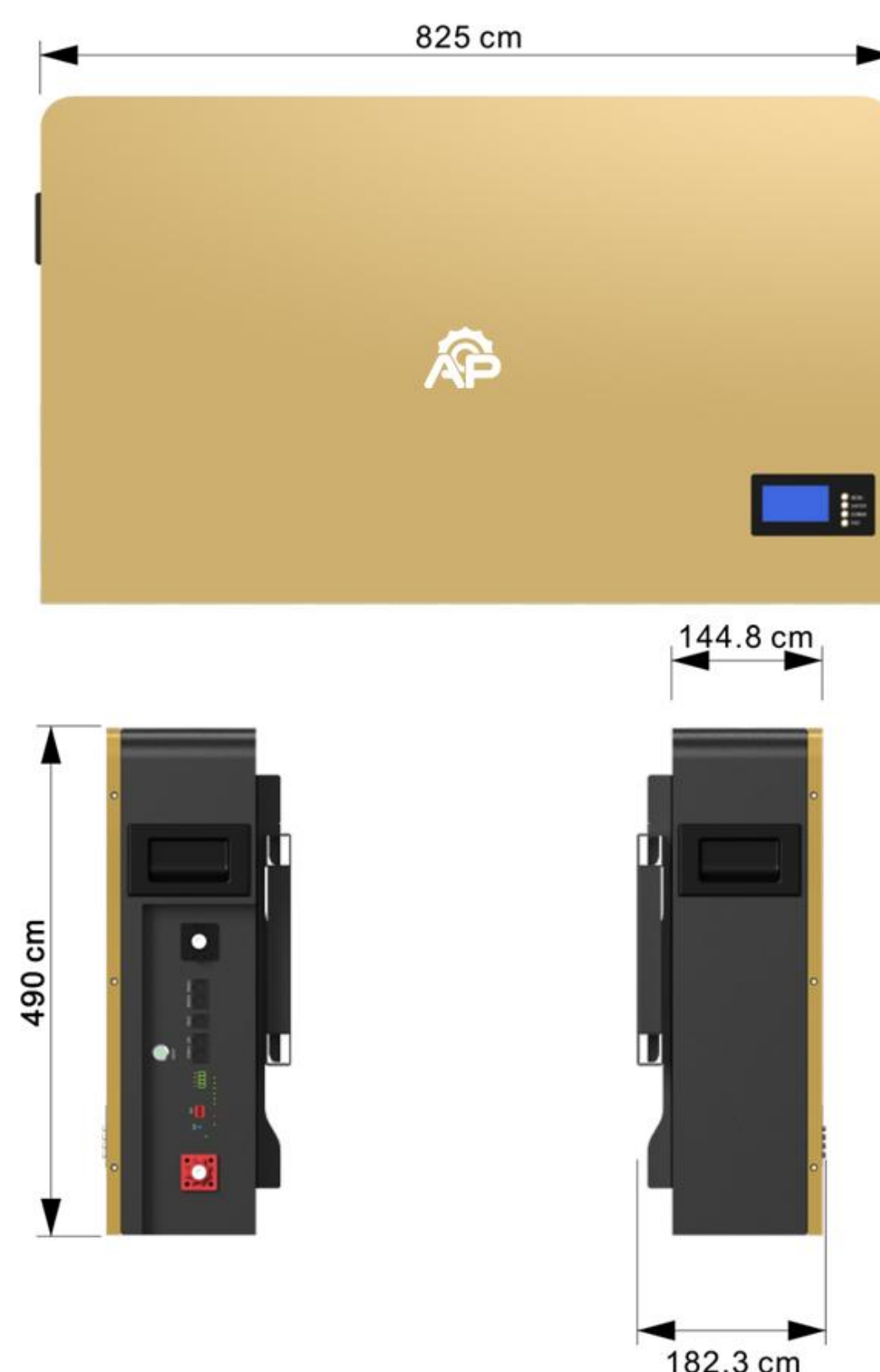
 **Email:**sales@ailepupower.com

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## A-GRADE WALL MOUNTED LITHIUM IRON PHOSPHATE BATTERY PACK




1.Display 2.Menu 3.Confirm 4.Go up 5.Return 6.Switch 7.Dip switch 8. Dry contact 9.R485 port 10.RS232 communication interface 11.Parallel communication port 12.CAN interface 13.Power indicator 14.Reset button 15.Positive battery 16.Negative battery terminal

### Features:

- **Longer cycle life:**the cycle life of the battery pack can reach 4500 times,which is 5 times the effective replacement and maintenance cost of the lead-acid battery
- **Lighter weight:**High energy density,weight is 40% of the lead-acid battery
- **Large discharge rate:**provides 2 times the discharge rate of lead-acid batteries, while maintaining more than 95%of the capacity
- **Wider temperature range:**-20℃~60℃
- Supports CAN communication,RS232 communication, dual-channel (RS485) communication
- Multiple battery strings can be connected in parallel
- **Wide range of applications:** Indoor/wall-mounted,home energy storage system, UPS backup power supply It can provide electricity for homes,public facilities,small factories,etc"




Mode		AP-528H
Rated battery voltage		51.2V
Electrical characteristic	Rated power	10000W
	Nominal capacity	200Ah
	Combination mode	16S2P
	Cycle life	≥4500cyc@80%DOD@35°C
	Monthly self-discharge	3%/month
	Charging efficiency	≥97%
	Discharge efficiency	≥98g
Charging standard	Recommended charging voltage	57.6V
	Recommended charging current	40A
	Maximum charging voltage	58.4V
	Maximum charging current	100A
Discharge standard	Recommended discharge current	100A
	Maximum discharge current	200A
	Discharge termination voltage	43.2V
Battery specification	Battery Size(W*D*H)(mm)	825*490*145MM
	Package size(W*D*H)(mm)	1010*530*309MM
	Net weight(kg)	83.7KG
	Gross weight(kg)	107KG
	Class of protection	IP30
	Shell material	Case of metal
Other	Charging temperature range	0°C 45°C
	Discharge temperature range	-20°C~60°C
	Storage temperature	0°C~40°C
	humidness	10%-85%relative humidity (no condensation)


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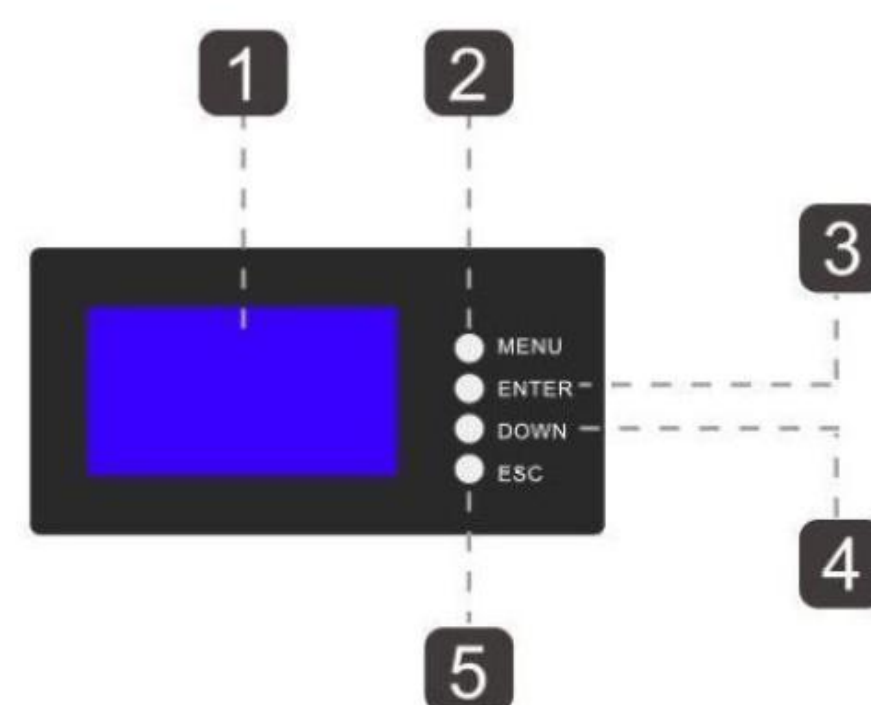
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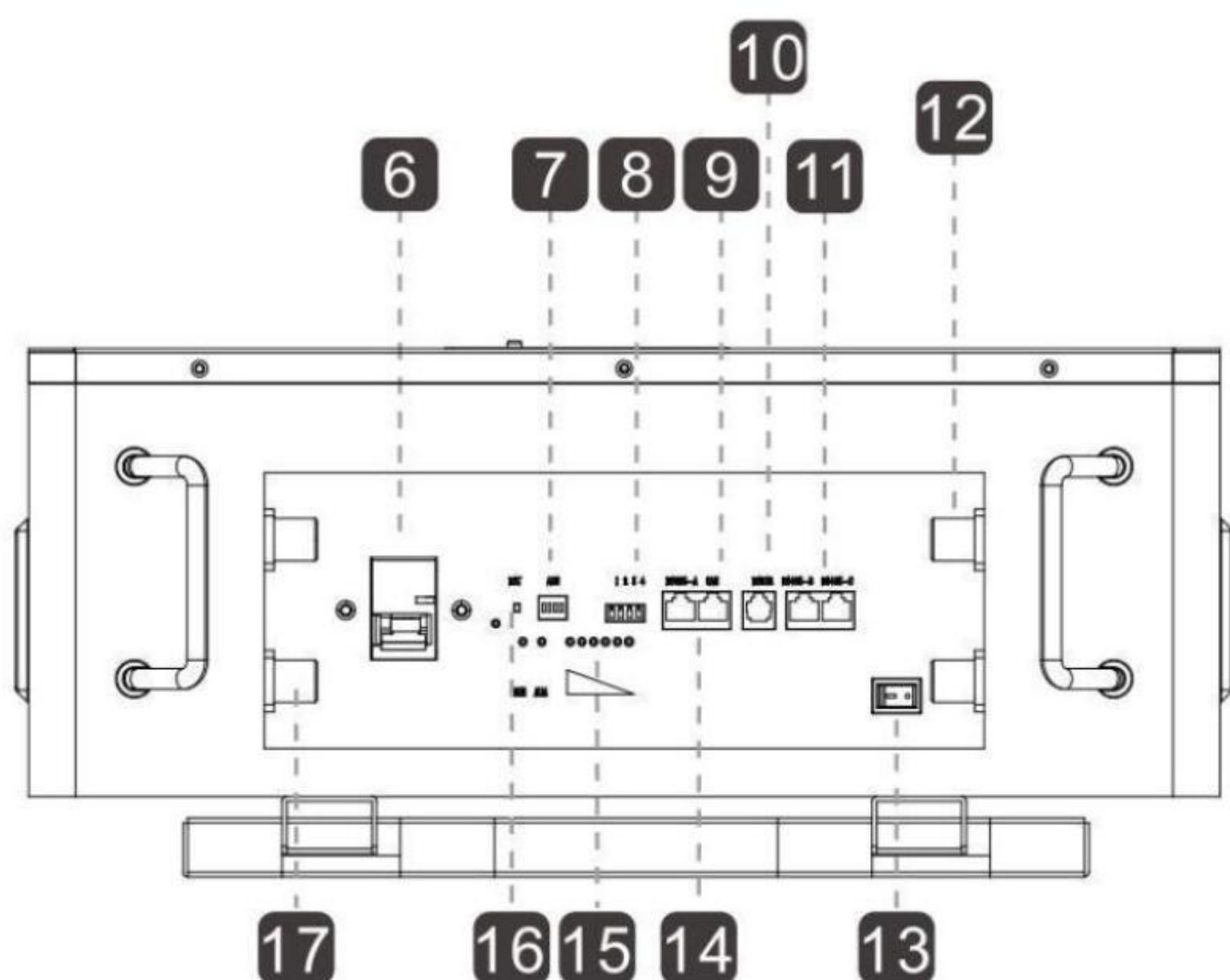
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## A-GRADE WALL MOUNTED LITHIUM IRON PHOSPHATE BATTERY PACK



1. Display
2. Menu
3. Ok button
4. Up
5. Back




6. Air switch
7. Dip switch
8. Dry contact
9. R485
10. RS232
11. Parallel communication port
12. Negative battery
13. Weak current switch
14. CAN interface
15. Power indicator
16. Reset button
17. The battery is positive


### Features:

- ❑ **Longer cycle life:** the cycle life of the battery pack can reach 4500 times, which is 5 times the replacement and maintenance cost of the lead-acid battery
- ❑ **Lighter weight:** High energy density, weight is 40% of the lead-acid battery
- ❑ **Large discharge rate:** provides 2 times the discharge rate of the lead-acid battery, while maintaining a wider capacity of 95% or more
- ❑ **Temperature range :** -20° C ~60 ° C
- ❑ Supports CAN communication, RS232 communication, dual-channel (RS485) communication
- ❑ Multiple battery strings can be connected in parallel
- ❑ **Wide range of applications:** Indoor/wall-mounted, home energy storage system, UPS backup power supply It can provide electricity for homes, public facilities, small factories, etc



model		AP-526H
Rated battery voltage		51.2V
Electrical characteristics	rated power	5000W
	Nominal capacity	100Ah
	Combination method	16S1P
	cycle life	> 4500 cycles @80%DOD @35°C
	Monthly self-discharge	3%/ Month
	Charging efficiency	>97%
	Discharge efficiency	>98%
Charging standard	Recommended charging voltage	57.6V
	Recommended charging current	20A
	Maximum charging voltage	58.4V
	Maximum charging current	100A
Discharge standard	Recommended discharge current	50A
	Maximum discharge current	100A
	Discharge termination voltage	43.2V
Battery specifications	Battery size (W*D*H)(mm)	505*480*190MM
	Packing size (W*D*H)(mm)	563*558*286MM
	Net weight(kg)	48.2 KG
	Gross weight (kg)	54.5 KG
	Protection level	IP30
	shell material	Case of metal
other	Charging temperature range	0°C~45°C
	Discharge temperature range	-20°C~60°C
	storage temperature	0°C~40°C
	humidity	10%-85% relative humidity (no condensation)


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