

# HESTIASOLAR WALL MOUNTED TYPE LITHIUM IRON PHOSPHATE BATTERY

## Low-voltage series lithium battery modules



### Product parameter

Model	48-100W	48-200W	51.2-100W	51.2-200W
Nominal voltage (V)	48	48	51.2	51.2
Nominal capacity (Ah)	100	200	100	200
Nominal energy capacity (kWh)	4.8	9.6	5.12	10.24
Operating voltage range (V)	42~54.75	42~54.75	44.8~58.4	44.8~58.4
Recommended charging voltage (V)	51.75	51.75	55.2	55.2
Recommended discharge cut-off voltage (V)	45	45	48	48
Standard charging/discharging current (A)	0.5C			
Maximum continuous charging/discharging current (A)	1C(Customizable)			
Applicable temperature (°C)	-30~60(Recommended10~35)			
Permissible humidity range (%RH)	<85			
Storage temperature (°C)	-20~65(Recommended10~35)			
Protection level	IP20			
Cooling method	Natural air cooling/intelligent fan			
Cell numbers	15	15	16	16
Maximum size (D*W*H) mm	186*450*687	276*465*682	186*450*687	276*465*682
Weight (kg)	46	89	49	93
Warranty period	6 Years			

Note: The above data is for reference only and is subject to change without prior notice. Customized requirements such as Bluetooth and 1C charging and discharging need to be communicated with engineers.



# HESTIASOLAR RACK TYPE LITHIUM IRON PHOSPHATE BATTERY

## Low-voltage series lithium battery modules



- Small size and light weight.
- Screen direct selection of inverter communication.
- Standard cycle life is more than 5,000 times.
- Multiple in parallel, easy for expand, automatic addressing, no need to dial a code.
- Easy for installation and maintenance.

### Product parameter






Model	48-100R	48-200R	51.2-100R	51.2-200R
Nominal voltage (V)	48	48	51.2	51.2
Nominal capacity (Ah)	100	200	100	200
Nominal energy capacity (kWh)	4.8	9.6	5.12	10.24
Operating voltage range (V)	42~54.75	42~54.75	44.8~58.4	44.8~58.4
Recommended charging voltage (V)	51.75	51.75	55.2	55.2
Recommended discharge cut-off voltage (V)	45	45	48	48
Standard charging/discharging current (A)	0.5C			
Maximum continuous charging/discharging current (A)	1C(Customizable)			
Applicable temperature (°C)	-30~60(Recommended10~35)			
Permissible humidity range (%RH)	<85			
Storage temperature (°C)	-20~65(Recommended10~35)			
Protection level	IP20			
Cooling method	Natural air cooling/intelligent fan			
Cell numbers	15	15	16	16
Maximum size (D*W*H) mm	495*689*162	510*682*246	495*689*162	510*682*246
Weight (kg)	46	89	49	93
Warranty period	6 Years			

Note: The above data is for reference only and is subject to change without prior notice. Customized requirements such as Bluetooth and 1C charging and discharging need to be communicated with engineers.

# HESTIASOLAR WHEEL TYPE LIFEPO4 BATTERIES

Low-voltage series lithium battery modules



-  Wheeled design, easy to move.
-  Embedded wiring, safe and reliable.
-  Standard configuration with LCD display screen, to understand battery status in real time, and directly select the inverter communication protocol on the screen.
-  Environmentally friendly and pollution-free materials, no heavy metals, green and environmentally friendly.
-  Standard cycle life over 5,000 times.





## Product parameter

Model	48-300L	51.2-300L
Nominal volt (V)	48	51.2
Nominal capacity (Ah)	300	300
Working volt range (V)	42~54.75	44.8~58.4
Recommended charging volt (V)	51.75	55.2
Recommended discharging cut-off volt (V)	45	48
Standard charging current (A)	100	
Maximum continuous tcharging current (A)	150	
Standard discharging current (A)	100	
Maximum discharging current (A)	150	
Proper temperature (°C)	-30~60(Recommended10~35)	
Allowable humidity range (%RH)	<85	
Storage temperature (°C)	-20~65(Recommended10~35)	
Protection level	IP20	
Cooling method	Natural cooling	
Cell numbers	15	16
Maximum size (D*W*H) mm	248*680*880	
Net weight (kg)	144	147
Warranty period	6 Years	

Note: The above data is for reference and subject to change without prior notice.  
Communicate with engineers for special customization requirements.

# HESTIASOLAR LOW VOLTAGE LITHIUM BATTERY STACK SYSTEM



-  English display summary of all PACK information;Screen direct selection inverter communication protocol.
-  Summary switch,to achieve a key switch.
-  Stack design allows flexible battery expansion.
-  Multiple clusters are parallel.A maximum of eight battery packs can be connected in parallel.

## Product parameter

Model	LV1-P10	LV1-P15	LV1-P20	LV2-P20	LV2-P30	LV2-P40
Battery module model	48100	48100	48100	48200	48200	48200
Battery module nominal energy (kWh)	4.8	4.8	4.8	9.6	9.6	9.6
Rated voltage (V)	48	48	48	48	48	48
Number of cell modules in single cluster	2	3	4	2	3	4
Single cluster battery energy (kWh)	9.6	14.4	19.2	19.2	28.8	38.4
Maximum number of clusters in parallel	8					
Operating voltage range (V)	42~54.75					
Recommended Charge Voltage (V)	51.75					
Recommended discharge cut-off voltage (V)	45					
Maximum charge current (A)	0.5C					
Maximum discharge current (A)	0.5C					
Unit cluster size (D*W*H) mm	425*700*672	425*700*964	425*700*1056	479*700*848	479*700*1128	479*700*1408
Unit cluster weight (kg)	145	199	254	228	324	420
Communication mode	CAN/485/bluetooth					
Proper temperature (°C)	-30~60(Recommend10~35)					
Storage temperature (°C)	-20~65(Recommend10~35)					
Humidity (%RH)	<85					
Protection level	IP20					
Cooling method	Natural cooling					
Number of cycles	≥5000					
Standard of security	CE,UN38.3,MSDS					
Warranty period	6 Years					

Note:The above data is subject to change without prior notice.

# HESTIASOLAR HIGH VOLTAGE LITHIUM BATTERY STACK SYSTEM



## Product parameter

Model	HV1-P11	HV1-P16	HV1-P11	HV1-P11
Battery module	BAT-5.32(32S1P102.4V52Ah)			
Number of modules	2	3	4	5
Rated power (kWh)	10.64	15.96	21.28	26.6
Overall dimensions (D*W*H) mm	420*625*625	420*625*800	420*625*975	420*625*1150
Weight (kg)	101	151.5	202	252.5
Nominal volt (V)	204.8	307.2	409.6	512
Working volt range (V)	179.2~233.6	268.8~350.4	358.4~467.2	358.4~584
Charging volt (V)	230.4	345.6	460.8	576
Standard charging current (A)	25			
Maximum discharging current (A)	25			
Control Module	PDU-HV1			
Working temperature range (°C)	Charging:0~55 ; Discharging:-20~55			
Working humidity range (%RH)	≤95(Without condensation)			
Heat-dissipating method	Natural heat dissipation			
Communication mode	CAN/485/Dry connect			
Battery Voltage Range (V)	179.2~233.6	268.8~350.4	358.4~467.2	358.4~584
Warranty period	6 Years			

Note:The above data is subject to change without prior notice.

- Fast plug stack design,wire free installation.
- Control system board end integrated 18650,long standby.
- Comprehensive,multi-level battery protection strategy.
- Cloud monitoring,remote operation and maintenance system.