

# ENERGY STORAGE SYSTEM

Innovating For A Brighter, Greener Future



# COMPANY PROFILE

For over 15 years, EWAY ENERGY TECHNOLOGY (WUHAN) CO., LTD. has proudly served customers across 100+ countries with customized energy solutions tailored to diverse global needs.

Eway Energy takes pride in its premium lithium-ion batteries and comprehensive All in One Solar Power Systems, utilizing top-quality cells and backed by a 10-year warranty with online technical support.

Delivering superior customer satisfaction remains our top priority as we remain dedicated to providing reliable, efficient renewable energy solutions that surpass expectations.

**EWAY ENERGY - Your Trusted Global Ally for Renewable Energy Solutions**



## **Company Vision:**

Committed to providing innovative technology for residential and commercial energy storage projects both domestically and internationally, helping customers reduce energy costs, decrease carbon footprints, and achieve sustainable development.

## **Company Mission:**

Delivering exceptional battery energy storage solutions to empower a sustainable future

## **Business Philosophy:**

Honesty and Integrity, Promises Kept

Quality First, Customer Foremost

Hard Work and Prosperity, Hand in Hand

Innovation Leading, Building the Future Together



## Product Category

### Lithium Battery Pack

#### 1. Low Voltage Series (48V)

- Powerwall (Wall mounted / Free Standing) type:  
48/51.2V 3.6kWh ~ 21kWh
- Rack mounted type:  
48/51.2V 2.4kWh ~ 17.4kWh
- Modular stackable type:  
48/51.2V 5kWh ~ 34.2kWh

#### 2. High Voltage Series

- Rack mounted type:  
179~864V 5kWh~5.22kWh
- Modular stackable type:  
96~576V 10kWh ~ 30kWh
- Total Energy Storage Capacity up to 4MWh

### All in One Solar Power Generator

- Hybrid (On Grid / Off Grid )type
- Off Grid type



## Compatible Inverter Brand

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- Low voltage

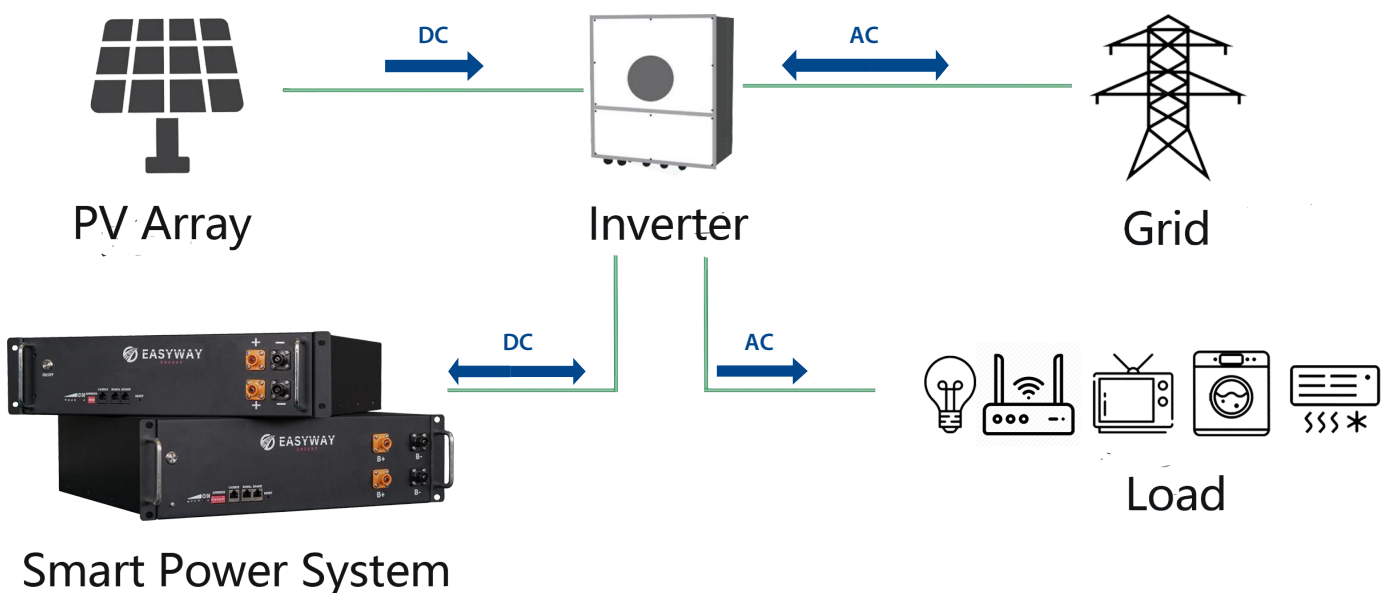
Goodwe, Solis, SUNGROW, CHINT power, SOFAR, Growatt, SMA, Victron, Luxpower, Sol-Ark, Studer, TBB, Deye, Sunsynk, LIVOLTEK, SOROTEC, MEGAREVO, Afore, Acsolar, Must, INVT, RENAC, OULU, Hinen, Pylontech, SRNE, SMK, Voltronic, EASUN, MPP Solar, EPEVER, Xindun, Techfine

- High voltage

Goodwe, Solis, SOLINTEG, Deye, SINE, KOYOE, Growatt, INVT, Sinexcel, GSSTES, KELONG, SINENG, MEGAREVO

## System Diagram

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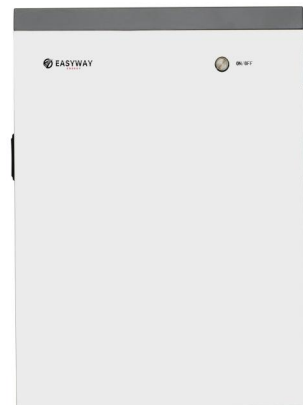


# Lithium Battery Pack

## Low Voltage Series

### Wall-Mounted Series

- Voltage:  
48 / 51.2V
- Capacity:  
3.6kWh / 5.12kWh / 10kWh / 12kWh /  
13.4kWh / 14.3kWh / 15.4kWh /  
17.4kWh / 21kWh



### Rack-Mounted Series

- Voltage:  
48 / 51.2V
- Capacity:  
2.4kWh / 2.66kWh / 5.22kWh / 7.68kWh /  
10kWh / 11.77kWh / 17.4kWh



### Modular Stackable Series

- Voltage:  
48 / 51.2V
- Capacity:  
5kWh / 10kWh / 14.6kWh / 19.5kWh /  
24.4kWh / 29.3kWh / 34.2kWh



## Key Features

- >8,000 Cycles @ STC
- Wide Inverter Compatibility
- Brand new grade A cells from world top 10 companies
- Modular design for easy installation and expansion
- 5 + 5 Years Warranty
- Remote monitoring and diagnostics



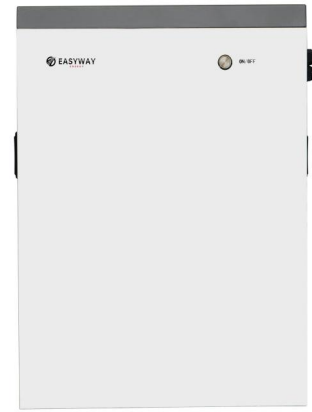
## Lithium Battery

### Wall-Mounted Series(LV)

#### Specification

Module		UNIV-3.6kWh/LV(W)	UNIV-5.12kWh/LV(W)
Total Energy		3.6kWh	5.22kWh
Usable Capacity(DC)		3.4kWh	5.06kWh
Nominal Voltage		48Vd.c	51.2Vd.c
Voltage Range		45-54.8Vd.c	48-58.4Vd.c
Rated Capacity		75Ah	102Ah
Recommend Current	Charge	35A	50A
	Discharge	35A	50A
Charge/Discharge Power	Peak	2.07kW	2.88kW
	Recommend	3kW for 3sec	3.6kW for 3sec
Weight		41kg	54kg
Dimension(mm)		500*600*160	
Working Temperature	Discharge	-20°C to +60°C	
	Charge	0°C to +50°C	
Efficiency		>97%	
IP Rating		IP55	
DOD		90%	
Max Numbers Of Parallel Connection		16P	
Cooling Type		Natural	
Communication		CAN,RS485	
Warranty		10 years	
Design Life		15+ Years (25°C/77°F)	
Cycle Life		≥8000@25°C, 80%DOD	
Safety		CE/TUV/Cell UL 1973	

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.



## Lithium Battery

### Wall-Mounted Series(LV)

#### Specification

Module		UNIV-10kWh/LV(W)
Total Energy		10.2kWh
Usable Capacity(DC)		9.8kWh
Nominal Voltage		51.2Vd.c
Voltage Range		48-58.4Vd.c
Rated Capacity		200Ah
Recommend Current	Charge	100A
	Discharge	100A
Charge/Discharge Power	Recommend	4.9kW
	Peak	7.9kW for 3sec
Weight		94kg
Dimension(mm)		530*700*208
Working Temperature	Discharge	-20°C to +60°C
	Charge	0°C to +50°C
Efficiency		>97%
IP Rating		IP55
DOD		90%
Max Numbers Of Parallel Connection		16P
Cooling Type		Natural
Communication		CAN,RS485
Warranty		10 years
Design Life		15+ Years (25°C/77°F)
Cycle Life		≥8000@25°C, 80%DOD
Safety		CE/TUV/Cell UL 1973

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# Lithium Battery

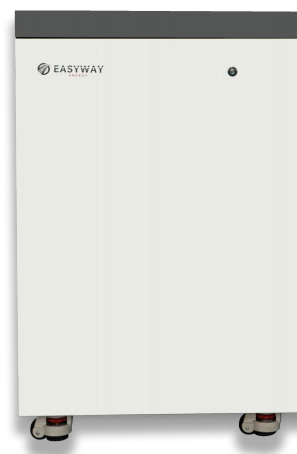
## Wall-Mounted Series(LV)



### Specification

Module		UNIV-12kWh/LV(W)	UNIV-13.4kWh/LV(W)	UNIV-14.3kWh/LV(W)
Total Energy		12kWh	13.4kWh	14.3kWh
Usable Capacity(DC)		11.7kWh	13kWh	13.9kWh
Nominal Voltage		51.2Vd.c	48Vd.c	51.2Vd.c
Voltage Range		48-58.4Vd.c	45-54.8Vd.c	48-58.4Vd.c
Rated Capacity		230Ah	280Ah	280Ah
Recommend Current	Charge	140A	140A	140A
	Discharge	140A	140A	140A
Charge/Discharge Power	Recommend	6.4kW	6.7kW	6.91kW
	Peak	9.6kW for 3sec	10.5kW for 3sec	11.2kW for 3sec
Weight		128kg	132kg	140kg
Dimension(mm)		620*950*380		
Working Temperature	Discharge	-20°C to +60°C		
	Charge	0°C to +50°C		
Efficiency		>97%		
IP Rating		IP55		
DOD		90%		
Max Numbers Of Parallel Connection		16P		
Cooling Type		Natural		
Communication		CAN,RS485		
Warranty		10 years		
Design Life		15+ Years (25°C/77°F)		
Cycle Life		≥8000@25°C, 80%DOD		
Safety		CE/TUV/Cell UL 1973		

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.



## Lithium Battery

### Wall-Mounted Series(LV)

#### Specification

Module		UNIV-15.4kWh/LV(W)	UNIV-17.4kWh/LV(W)	UNIV-21kWh/LV(W)
Total Energy		15.4kWh	17.4kWh	21kWh
Usable Capacity(DC)		14.9kWh	16.9kWh	20.5kWh
Nominal Voltage		51.2Vd.c	51.2Vd.c	51.2Vd.c
Voltage Range		48-58.4Vd.c	48-58.4Vd.c	48-58.4Vd.c
Rated Capacity		300Ah	340Ah	412Ah
Recommend Current	Charge	150A	170A	200A
	Discharge	150A	170A	206A
Charge/Discharge Power	Recommend	7.68kW	10kW	10kW
	Peak	12kW for 3sec	14.3kW for 3sec	16.8kW for 3sec
Weight		154kg	155kg	165kg
Dimension(mm)		620*950*380		
Working Temperature	Discharge	-20°C to +60°C		
	Charge	0°C to +50°C		
Efficiency		>97%		
IP Rating		IP55		
DOD		90%		
Max Numbers Of Parallel Connection		16P		
Cooling Type		Natural		
Communication		CAN,RS485		
Warranty		10 years		
Design Life		15+ Years (25°C/77°F)		
Cycle Life		≥8000@25°C, 80%DOD		
Safety		CE/TUV/Cell UL 1973		

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.

## Lithium Battery

### Rack-Mounted Series(LV)



#### Specification

Module		UNIV-2.4kWh/LV(R)
Total Energy		2.56kWh
Usable Capacity(DC)		2.48kWh
Nominal Voltage		25.6Vd.c
Voltage Range		24-29.2Vd.c
Rated Capacity		100Ah
Recommend Current	Charge	50A
	Discharge	50A
Charge/Discharge Power	(Recommend)	1.2kW
	(Peak)	2kW for 3sec
Weight		25kg
Dimension(mm)		442*139*413
Working Temperature	Discharge	-20°C to +60°C
	Charge	0°C to +50°C
Efficiency		>97%
IP rating		IP20
DOD		90%
Cooling type		Natural
Warranty		10 years
Design life		15+ Years (25°C/77°F)
Cycle Life		≥8000@25°C, 80%DOD
Safety		CE/TUV/Cell UL 1973

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## Lithium Battery

### Rack-Mounted Series(LV)



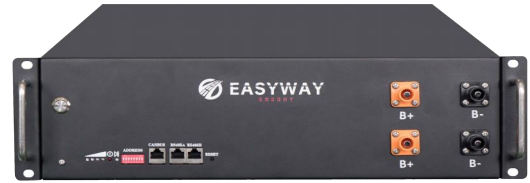
#### Specification

Module		UNIV5200
Total Energy		5.22kWh
Usable Capacity(DC)		5.06kWh
Nominal Voltage		51.2Vd.c
Voltage Range		48-58.4Vd.c
Rated Capacity		102Ah
Recommend Current	Charge	50A
	Discharge	50A
Charge/Discharge Power	Recommend	2.4kW
	Peak	3.9kW for 3sec
Weight		43kg
Dimension(mm)		442*135*480
Working Temperature	Discharge	-20℃ to +60℃
	Charge	0℃ to +50℃
Efficiency		>97%
IP Rating		IP20
DOD		90%
Max Numbers Of Parallel Connection		16P
Cooling Type		Natural
Communication		CAN,RS485
Warranty		10 years
Design Life		15+ Years (25℃/77°F)
Cycle Life		≥8000@25℃, 80%DOD
Safety		CE/TUV/Cell UL 1973

The recommended and max. continuous operation current is for a battery cell temperature within 10~40℃ to consider, out of such temp. range will cause a derating on operation current.

## Lithium Battery

### Rack-Mounted Series(LV)



#### Specification

Module		UNIV-2.66kWh/LV(R)	UNIV-7.68kWh(LV)R
Total Energy		2.66kWh	7.68kWh
Usable Capacity(DC)		2.4kWh	7.45kWh
Nominal Voltage		51.2Vd.c	51.2Vd.c
Voltage Range		48-58.4Vd.c	48-58.4Vd.c
Rated Capacity		52Ah	150Ah
Recommend Current	Charge	25A	75A
	Discharge	25A	75A
Charge/Discharge Power	Recommend	1.2kW	3.8kW
	Peak	2kW for 3sec	4.3kW for 3sec
Weight		25kg	61kg
Dimension(mm)		442*135*480	442*160*580
Working Temperature	Discharge	-20°C to +60°C	
	Charge	0°C to +50°C	
Efficiency		>97%	
IP Rating		IP20	
DOD		90%	
Max Numbers Of Parallel Connection		16P	
Cooling Type		Natural	
Communication		CAN,RS485	
Warranty		10 years	
Design Life		15+ Years (25°C/77°F)	
Cycle Life		≥8000@25°C, 80%DOD	
Safety		CE/TUV/Cell UL 1973	

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.

# Lithium Battery

## Rack-Mounted Series(LV)



### Specification

Module	UNIV-10kWh/LV(R)	UNIV-11.77kWh/LV(R)	UNIV-17.4kWh/LV(R)
Total Energy	10.2kWh	11.77kWh	17.4kWh
Usable Capacity(DC)	9.8kWh	11.4kWh	16.9kWh
Nominal Voltage	51.2Vd.c	51.2Vd.c	51.2Vd.c
Voltage Range	48-58.4Vd.c	48-58.4Vd.c	48-58.4Vd.c
Rated Capacity	200Ah	230Ah	340Ah
Recommend Current	Charge	100A	115A
	Discharge	100A	115A
Charge/Discharge Power	Recommend	4.9kW	5.8kW
	Peak	7.9kW for 3sec	8.2kW for 3sec
Weight	78kg	85kg	124kg
Dimension(mm)	442*230*590	442*230*590	483*223*820
Working Temperature	Discharge	-20°C to +60°C	
	Charge	0°C to +50°C	
Efficiency	>97%		
IP Rating	IP20		
DOD	90%		
Max Numbers Of Parallel Connection	16P		
Cooling Type	Natural		
Communication	CAN,RS485		
Warranty	10 years		
Design Life	15+ Years (25°C/77°F)		
Cycle Life	≥8000@25°C, 80%DOD		
Safety	CE/TUV/Cell UL 1973		

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.



## Lithium Battery

### Modular Stackable Series(LV)

#### Specification

Module	UNIV-LV ST 5000	UNIV-LV ST 10k	UNIV-LV ST 14.6k	UNIV-LV ST 19.5k
Total Energy	4.89kWh	9.79kWh	14.6kWh	19.58kWh
Usable Capacity(DC)	4.68kWh	9.4kWh	14kWh	18.8kWh
Nominal Voltage	48Vd.c	48Vd.c	48Vd.c	48Vd.c
Voltage Range	45-54.8Vd.c	45-54.8Vd.c	45-54.8Vd.c	45-54.8Vd.c
Rated Capacity	102Ah	204Ah	306Ah	408Ah
Recommend Charge/ Discharge Current	51A	102A	153A	175A
Recommend Charge/ Discharge Power	2.4kW	4.9kW	7.3kW	8.4kW
Weight	49kg	95kg	141kg	187kg
Dimension(mm)	650*190*340	650*380*340	650*570*340	650*760*340
Working Temperature	Discharge	-20°C to +60°C		
	Charge	0°C to +50°C		
Efficiency	>97%			
IP Rating	IP20			
DOD	90%			
Cooling Type	Natural			
Communication	CAN,RS485			
Warranty	10 years			
Design Life	15+ Years (25°C/77°F)			
Cycle Life	≥8000@25°C, 80%DOD			
Safety	CE/TUV/Cell UL 1973			

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.

## Lithium Battery

### Modular Stackable Series(LV)

#### Specification



Module	UNIV-LV ST 24.4k	UNIV-LV ST 29.3k	UNIV-LV ST 34.2k
Total Energy	24.48kWh	29.37kWh	34.27kWh
Usable Capacity(DC)	23.5kWh	28.2kWh	32.9kWh
Nominal Voltage	48Vd.c	48Vd.c	48Vd.c
Voltage Range	45-54.8Vd.c	45-54.8Vd.c	45-54.8Vd.c
Rated Capacity	510Ah	612Ah	714Ah
Recommend Charge/ Discharge Current	175A	175A	175A
Recommend Charge/ Discharge Power	8.4kW	8.4kW	8.4kW
Weight	233kg	279kg	325kg
Dimension(mm)	650*950*340	650*1140*340	650*1330*340
Working Temperature	Discharge	-20°C to +60°C	
	Charge	0°C to +50°C	
Efficiency	>97%		
IP Rating	IP20		
DOD	90%		
Cooling Type	Natural		
Communication	CAN,RS485		
Warranty	10 years		
Design Life	15+ Years (25°C/77°F)		
Cycle Life	≥8000@25°C, 80%DOD		
Safety	CE/TUV/Cell UL 1973		

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.



# Lithium Battery Pack

## High Voltage Series

High-voltage batteries possess a higher energy density, allowing them to store a significant amount of electrical energy in a relatively small volume and weight. They provide a higher voltage output, reducing current and energy loss, thus enhancing efficiency. Moreover, high-voltage batteries have a longer lifespan, reducing the frequency of battery replacements and maintenance costs. Additionally, the high-voltage system can increase voltage and capacity through the series connection of modules to meet customer demands. High voltage lithium battery system is equipped with an Intelligent battery control unit in each battery pack to ensure high safety and efficient operation.

## Features and Advantage



**Voltage Range**  
179~864V



**Expandable**  
Capacity up to 76.8kWh per cluster



**High Safety LFP**  
LFP & smart BMS



**More Flexible Installation**  
Outdoor and indoor solution optional



**High Voltage**  
High system efficiency



**Tailor-made Cabinet**  
Suitable for multi-module installation

### **Rack-Mounted Series**

- Voltage:  
179V-864V
- Capacity:  
5kWh / 5.22kWh

### **Modular Stackable Series**

- Voltage:  
96-576V
- Capacity:  
10kWh / 15kWh / 20kWh  
/25kWh / 30kWh

# Lithium Battery

## Rack-Mounted Series(HV)

### Module Specification

Model	UNIV5200/HV(R)
Total Energy	5.22kWh
Rated Capacity Nominal	102Ah
Voltage	51.2Vd.c
Voltage Range	48-58.4Vd.c
Weight	41kg
Dimension(mm)	442*150*480
Working Discharge Temperature	-20℃ to +60℃
Charge Temperature	0℃ to +50℃
Communication	CAN,RS485
Cycle Life	≥8000@25℃, 80%DOD
IP Rating	IP20
Expansion	Up to 20 units in series
Compatible Inverters	Goodwe/Solis/SOLINTEG/Deye/SINY/KOYOE/Growatt/INVT/Sinexcel/GSSTES /KELONG/SINENG/MEGAREVO



UNIV5200/HV(R)



Rack System HV5



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N\*Rack System HV5

### Battery System HV5 Specification

Model	HV5-7S	HV5-12S
Battery Module	UNIV5200/HV(R)	UNIV5200/HV(R)
Battery Module Quantity	7 Unis	12 Unis
Total Energy	36.54kWh	62.64kWh
Rated Capacity	102Ah	102Ah
Nominal Voltage	358.4Vd.c	614.4Vd.c
Voltage Range	336-408.8Vd.c	576-700.8Vd.c
Nominal Power Output	17.9kW	30.72kW
Max. Power Output	35.84kW	61.44kW
Recommend Discharge Current	50A	50A
Recommend Discharge Current	50A	50A
Weight	365kg	624kg
Dimension(mm)	502*1460*540	1004*1310*540
Module Quantity and Configuration	7 Units in series	12 Units in series

The recommended and max. continuous operation current is for a battery cell temperature within 10~40℃ to consider, out of such temp. range will cause a derating on operation current.

# Lithium Battery

## Rack-Mounted Series(HV)

### Module Specification

Model	UNIV5000/HV(R)
Total Energy	5kWh
Rated Capacity	52Ah
Nominal Voltage	96Vd.c
Voltage Range	90-109.6Vd.c
Weight	41kg
Dimension(mm)	442*150*480
Working Discharge Temperature	-20°C to +60°C
Charge Temperature	0°C to +50°C
Communication	CAN,RS485
Cycle Life	≥8000@25°C, 80%DOD
IP Rating	IP20
Expansion	Up to 6 units in series
Compatible Inverters	Goodwe/Solis/SOLINTEG/Deye/SINY/KOYOE/Growatt/INVT/Sinexcel/GSSTES /KELONG/SINENG/MEGAREVO



UNIV5000/HV(R)



Rack System HV4



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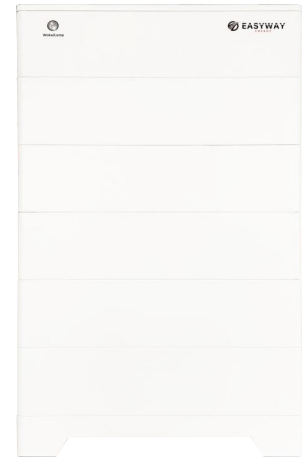


N\*Rack System HV4

### Battery System HV4 Specification

Model	HV4-4S	HV4-6S
Battery Module	UNIV5000/HV(R)	UNIV5000/HV(R)
Battery Module Quantity	4 Unis	6 Unis
Total Energy	20kWh	30kWh
Rated Capacity	52Ah	52Ah
Nominal Voltage	384Vd.c	576Vd.c
Voltage Range	360-438Vd.c	540-657Vd.c
Nominal Power Output	9.98kW	14.98kW
Max. Power Output	19.97kW	29.95kW
Recommend Discharge Current	26A	26A
Recommend Discharge Current	26A	26A
Weight	208kg	312kg
Dimension(mm)	502*920*540	502*1280*540
Module Quantity and Configuration	4 Units in series	6 Units in series

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.



## Lithium Battery

### Modular Stackable Series(HV)

#### Specification

Module	UNIV-HV ST 10k	UNIV-HV ST 15k	UNIV-HV ST 20k	UNIV-HV ST 25k	UNIV-HV ST 30k
Total Energy	10kWh	15kWh	20kWh	25kWh	30kWh
Usable Capacity(DC)	9.7kWh	14.5kWh	19.3kWh	24.2kWh	29kWh
Nominal Voltage	192Vd.c	288Vd.c	384Vd.c	480Vd.c	576Vd.c
Voltage Range	180-219Vd.c	270-328.5Vd.c	360-438Vd.c	450-547.5Vd.c	540-657Vd.c
Rated Capacity	52Ah	52Ah	52Ah	52Ah	52Ah
Recommend Charge/ Discharge Current	26A	26A	26A	26A	26A
Weight	95kg	141kg	187kg	233kg	279kg
Dimension(mm)	650*440*340mm	650*610*340mm	650*780*340mm	650*950*340mm	650*1120*340mm
Working Discharge Temperature	-20°C to +60°C				
Charge	0°C to +50°C				
Efficiency	>97%				
IP rating	IP54				
DOD	90%				
Cooling Type	Natural				
Communication	CAN,RS485				
Warranty	10 years				
Design Life	15+ Years (25°C/77°F)				
Cycle Life	≥8000@25°C, 80%DOD				
Safety	CE/TUV/Cell UL 1973				

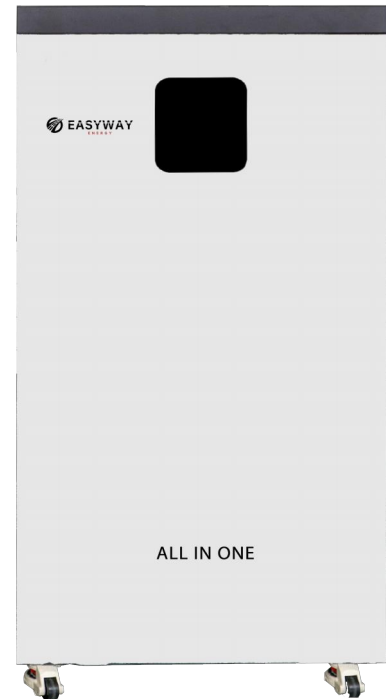
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## Solar Power Generator

- On Grid Hybrid Type

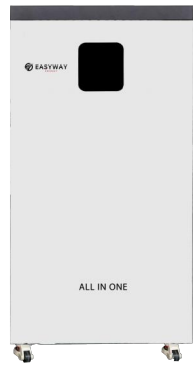
### Standard Items

- Lithium battery (5kWh ~ 21kWh)
- Inverter (3KW, 5KW,8KW)
- Solar Panel /Solar Bracket (Optional)  
More systems with different specs can be customized according to clients' demands.



### Key Features

- Hybrid Solar Generator, Green and Clean Power Supply
- Plug & Play
- Battery charged by both SOLAR AND GRID.
- System can be switched between AC mode Inverter mode
- Solar energy stored by Li-Ion battery, small size, lightweight and high energy density.
- Intelligent battery management system to extend battery life time
- Provide professional cost-effective turnkey solution according to different electricity condition of each customer.
- 5+5 years warranty



# Hybrid Solar Power Generator

## Basic Parameters

Module		HSG 5kW/10kWh	HSG 8kW/13.4kWh	HSG 8kW/15.4kwh
Total Energy		10.2kWh	13.4kWh	15.4kWh
Usable Capacity(DC)		9.8kWh	13kWh	14.9kWh
Nominal Voltage		51.2Vd.c	48Vd.c	48Vd.c
Voltage Range		48-58.4Vd.c	45-54.8Vd.c	45-54.8Vd.c
Rated Capacity		200Ah	280Ah	300Ah
Recommend Current	Charge	100A	140A	140A
	Discharge	100A	140A	140A
Charge/Discharge Power	Recommend	4.9kW	6.7kW	6.91kW
	Peak	7.9kW for 3sec	10.5kW for 3sec	11.2kW for 3sec
Weight		140kg	178kg	191kg
Dimension(mm)		620*1280*380mm	620*1280*380mm	620*1280*380mm
Working Temperature	Discharge	-20°C to +60°C		
	Charge	0°C to +50°C		
Efficiency		>97%		
IP Rating		IP40		
DOD		90%		
Cooling Type		Natural		
Communication		CAN,RS485		
Warranty		10 years		
Design Life		15+ Years (25°C/77°F)		
Cycle Life		≥8000@25°C, 80%DOD		
Safety		CE/TUV/Cell UL 1973		

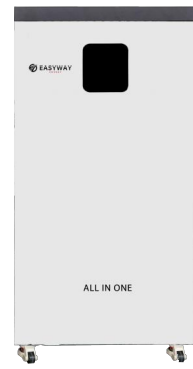
### PV Input Parameter

PV Output Power	5500W	8000W
PV Voltage Range	120-450VDC	120-450VDC
Max.Input Current(A)	20A	14A/14A

### EPS Output Parameter

AC Output Rated Power	5.5kW	8kW
AC Output Current	24	14A/14A
Frequency	50/60Hz	50/60Hz
Rated Output Voltage	230V/AC	230V/AC
Inverter Dimention	302*503*120mm	550*200*515mm
Inverter Weight	11.6kg	25kg

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.



# Hybrid Solar Power Generator

## Basic Parameters

Module		HSG 8kW/17.4kwh	HSG 8kW/21kwh
Total Energy		17.4kWh	21kWh
Usable Capacity(DC)		16.9kWh	20.5kWh
Nominal Voltage		51.2Vd.c	51.2Vd.c
Voltage Range		48-58.4Vd.c	48-58.4Vd.c
Rated Capacity		340Ah	412Ah
Recommend Current	Charge	170A	200A
	Discharge	170A	206A
Charge/Discharge Power	Recommend	10kW	10kW
	Peak	14.3kW for 3sec	16.8kW for 3sec
Weight		197kg	211kg
Dimension(mm)		620*1280*380mm	620*1280*380mm
Working Temperature	Discharge	-20°C to +60°C	
	Charge	0°C to +50°C	
Efficiency		>97%	
IP Rating		IP40	
DOD		90%	
Cooling Type		Natural	
Communication		CAN,RS485	
Warranty		10 years	
Design Life		15+ Years (25°C/77°F)	
Cycle Life		≥8000@25°C, 80%DOD	
Safety		CE/TUV/Cell UL 1973	

### PV Input Parameter

PV Output Power	8000W
PV Voltage Range	120-450VDC
Max.Input Current(A)	14A/14A

### EPS Output Parameter

AC Output Rated Power	8kW
AC Output Current	14A/14A
Frequency	50/60Hz
Rated Output Voltage	230V/AC
Inverter Dimention	550*200*515mm
Inverter Weight	25kg

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.

## Off-Grid Solar Power Generator

### Standard Items

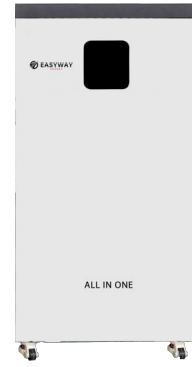
- Lithium battery (5kWh / 10kWh )
  - Inverter (3KW, 5KW)
  - Solar Panel /Solar Bracket(Optional)
- More systems with different specs can be customized according to clients' demands.



### Key Features

- Off-Grid Solar Generator, Green and Clean Power Supply
- Battery charged by both SOLAR and Mains.
- System can be set up to AC mode and Inverter mode
- Solar energy stored by Li-Ion battery, small size, light weight and high energy density.
- Intelligent battery management system to extend battery life time
- Provide professional cost-effective turnkey solution according to electricity condition of each customer.





# Off grid Solar Power Generator

## Basic Parameters

Module		ESS 3kW/5.3kWh	ESS 5kW/10kWh
Total Energy		5.3kWh	10.2kWh
Usable Capacity(DC)		5kWh	9.8kWh
Nominal Voltage		25.6Vd.c	51.2Vd.c
Voltage Range		24-29.2Vd.c	48-58.4Vd.c
Rated Capacity		206Ah	200Ah
Recommend Current	Charge	103	100A
	Discharge	103	100A
Charge/Discharge Power	Recommend	2.07kW	4.9kW
	Peak	3kW for 3sec	7.9kW for 3sec
Weight		90kg	140kg
Dimension(mm)		560*820*260mm	620*1280*380mm
Working Temperature	Discharge	-20°C to +60°C	
	Charge	0°C to +50°C	
Efficiency		>97%	
IP Rating		IP40	
DOD		90%	
Cooling Type		Natural	
Communication		CAN,RS485	
Warranty		10 years	
Design Life		15+ Years (25°C/77°F)	
Cycle Life		≥8000@25°C, 80%DOD	
Safety		CE/TUV/Cell UL 1973	

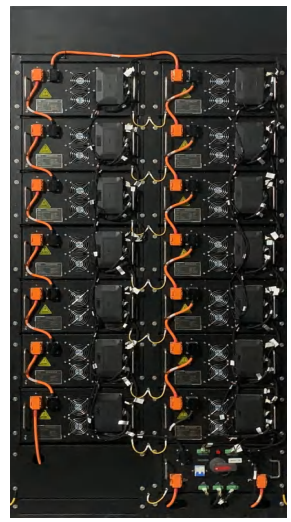
### PV Input Parameter

PV Output Power	3000W	5500W
PV Voltage Range	120-450VDC	120-450VDC
Max.Input Current(A)	20A	20A

### EPS Output Parameter

AC Output Rated Power	3kW	5.5kW
AC Output Current	13A	24
Frequency	50/60Hz	50/60Hz
Rated Output Voltage	230V/AC	230V/AC
Inverter Dimention	302*503*120mm	302*503*120mm
Inverter Weight	10.6kg	11.6kg

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.



# Large Scale Battery Energy Storage System

## Specification

Model	ESS-215kWh/HV	
Total Energy	215kWh	
Usable Capacity(DC)	206kWh	
Nominal Voltage	716.8Vd.c	
Voltage Range	672-817.4Vd.c	
Recommend Current	Charge	140A
	Discharge	140A
Charge/Discharge Power	Recommend	100kW
	Peak	200kW for 3sec
Weight	2300kg	
Dimension(mm)	1850*2200*1000mm	
Working Temperature	Discharge	-20°C to +60°C
	Charge	0°C to +50°C
Efficiency	>97%	
IP Rating	IP20	
DOD	90%	
Battery Module Quantity	14 Unis	
Cooling Type	Natural	
Communication	CAN,RS485	
Design Life	15+ Years (25°C/77°F)	
Cycle Life	≥8000@25°C, 80%DOD	
Safety	CE/TUV/Cell UL 1973	

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.



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