EASYWAY
ENERGY

RESIDENTIAL ESS

LITHIUM BATTERY

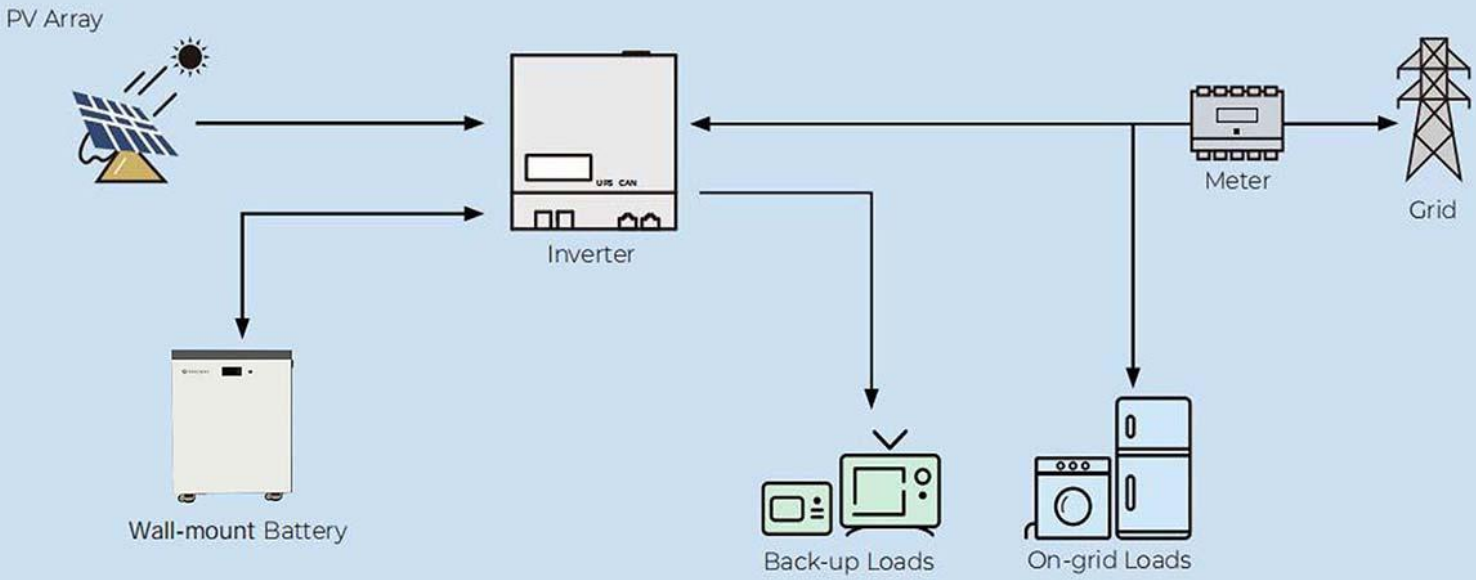
Free standing / Wall-mounted
Energy Storage System

SUMMARY

Introduce the LIFEPO4 PowerWall battery for residential energy storage-a fashionable home energy storage solution. The battery is equipped with smart BMS to monitor the battery and multiple protection. The UNIV PowerWall series lithium battery allows parallel connection to enhance capacity, and can easily monitor its working conditions by uplink and optional bluetooth. The extraordinary compatibility of it with the extensive inverter brand ensures seamless integration into your energy system. Select the UNIV PowerWall series battery to ensure a reliable and continuous power supply -ultimate energy demand selection.

FEATURES

- CAN Bus standard connection
- 5+5 Years Warranty
- Bluetooth optional
- Optimal Electricity Cost
- High Inverter compatibility
- >8,000 Cycles @ STC
- Local BMS operation log storage
- High-quality A grade lithium battery cells



SPECIFICATION(LV)

Module		UNIV-7.2kWh/LV(W)	UNIV-10kWh/LV(W)
Basic Parameters			
Total Energy		7.2kWh	9.89kWh
Usable Energy(DC)		6.8kWh	9.6kWh
Voltage		45-54.8Vd.c	45-54.8Vd.c
Nominal Voltage		48Vd.c	48Vd.c
Rated Capacity		150Ah	206Ah
Weight		62kg	94kg
Nominal Current		70A	103A
Nominal Charge power		4.15kW	5.76kW
Nominal Discharge power		4.15kW	5.76kW
Peak power(only discharging)		5.9kW for 3sec	7.9kW for 3sec
Dimension(mm)		530*700*208mm	
Operating Condition		Indoor	
Efficiency		>97%	
Operating Temperature	Charge	0℃ ~ 50℃	
	Discharge	-20℃ ~ 60℃	
Color		White	
Humidity		＜60%(No condensed water)	
Over Voltage Category		II	
Cooling Type		Natural cooling	
Case Material		Metal	
Installation		Wall mounting/Free standing	
IP rating		IP 54	
Protective Class		I	
Max numbers of parallel connection		16P	
Warranty		10 years	
Life Span		>15 years	
Communication		CAN/ RS485	
Protection Mode		Dual hardware protection	
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety		Cell UL 1973	
		CE/TUV	
Hazardous Material Classification		9	
Transportation		UN38.3	

*: 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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Free standing / Wall-mounted
Energy Storage System

SPECIFICATION(LV)

Module		UNIV-13.4kWh/LV(W)	UNIV-14.3kWh/LV(W)
Basic Parameters			
Total Energy		13.4kWh	14.3kWh
Usable Energy(DC)		13kWh	13.9kWh
Voltage		45-54.8Vd.c	48-58.4Vd.c
Nominal Voltage		48Vd.c	51.2Vd.c
Rated Capacity		280Ah	280Ah
Weight		132kg	138kg
Nominal Current		140A	140A
Nominal Charge power		6.7kW	6.91kW
Nominal Discharge power		6.7kW	6.91kW
Peak power(only discharging)		10.5kW for 3sec	11.2kW for 3sec
Dimension(mm)		620*950*380mm	
Operating Condition		Indoor	
Efficiency		>97%	
Operating Temperature	Charge	0℃ ~ 50℃	
	Discharge	-20℃ ~ 60℃	
Color		White	
Humidity		<60%(No condensed water)	
Over Voltage Category		II	
Cooling Type		Natural cooling	
Case Material		Metal	
Installation		Wall mounting/Free standing	
IP rating		IP 54	
Protective Class		I	
Max numbers of parallel connection		16P	
Warranty		10 years	
Life Span		>15 years	
Communication		CAN/ RS485	
Protection Mode		Dual hardware protection	
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety		Cell UL 1973	
		CE/TUV	
Hazardous Material Classification		9	
Transportation		UN38.3	

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SPECIFICATION(LV)

Module		UNIV-15.4kWh/LV(W)	UNIV-17.4kWh/LV(W)
Basic Parameters			
Total Energy		15.4kWh	17.4kWh
Usable Energy(DC)		14.9kWh	16.9kWh
Voltage		48-58.4Vd.c	48-58.4Vd.c
Nominal Voltage		51.2Vd.c	51.2Vd.c
Rated Capacity		300Ah	340Ah
Weight		145kg	149kg
Nominal Current		150A	170A
Nominal Charge power		7.68kW	9.96kW
Nominal Discharge power		7.68kW	9.96kW
Peak power(only discharging)		12kW for 3sec	14.3kW for 3sec
Dimension(mm)		620*950*380mm	
Operating Condition		Indoor	
Efficiency		>97%	
Operating Temperature	Charge	0℃ ~ 50℃	
	Discharge	-20℃ ~ 60℃	
Color		White	
Humidity		＜60%(No condensed water)	
Over Voltage Category		II	
Cooling Type		Natural cooling	
Case Material		Metal	
Installation		Wall mounting/Free standing	
IP rating		IP 55	
Protective Class		I	
Max numbers of parallel connection		20P	
Warranty		10 years	
Life Span		>15 years	
Communication		CAN/ RS485	
Protection Mode		Dual hardware protection	
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety		Cell UL 1973	
		CE/TUV	
Hazardous Material Classification		9	
Transportation		UN38.3	

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SPECIFICATION(LV)

Module	UNIV-21kWh/LV(W)
Basic Parameters	
Total Energy	21kWh
Usable Energy(DC)	20.5kWh
Voltage	48-58.4Vd.c
Nominal Voltage	51.2Vd.c
Rated Capacity	412Ah
Weight	165kg
Nominal Current	206A
Nominal Charge power	10.6kW
Nominal Discharge power	10.6kW
Peak power(only discharging)	16.8kW for 3sec
Dimension(mm)	620*950*380mm
Operating Condition	Indoor
Efficiency	>97%
Operating Temperature – Charge	0℃ ~ 50℃
Operating Temperature – Discharge	-20℃ ~ 60℃
Color	White
Humidity	＜60%(No condensed water)
Over Voltage Category	II
Cooling Type	Natural cooling
Case Material	Metal
Installation	Wall mounting/Free standing
IP rating	IP 55
Protective Class	I
Max numbers of parallel connection	20P
Warranty	10 years
Life Span	>15 years
Communication	CAN/ RS485
Protection Mode	Dual hardware protection
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Safety	Cell UL 1973
	CE/TUV
Hazardous Material Classification	9
Transportation	UN38.3

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LITHIUM BATTERY

Rack-Mounted Energy Storage System

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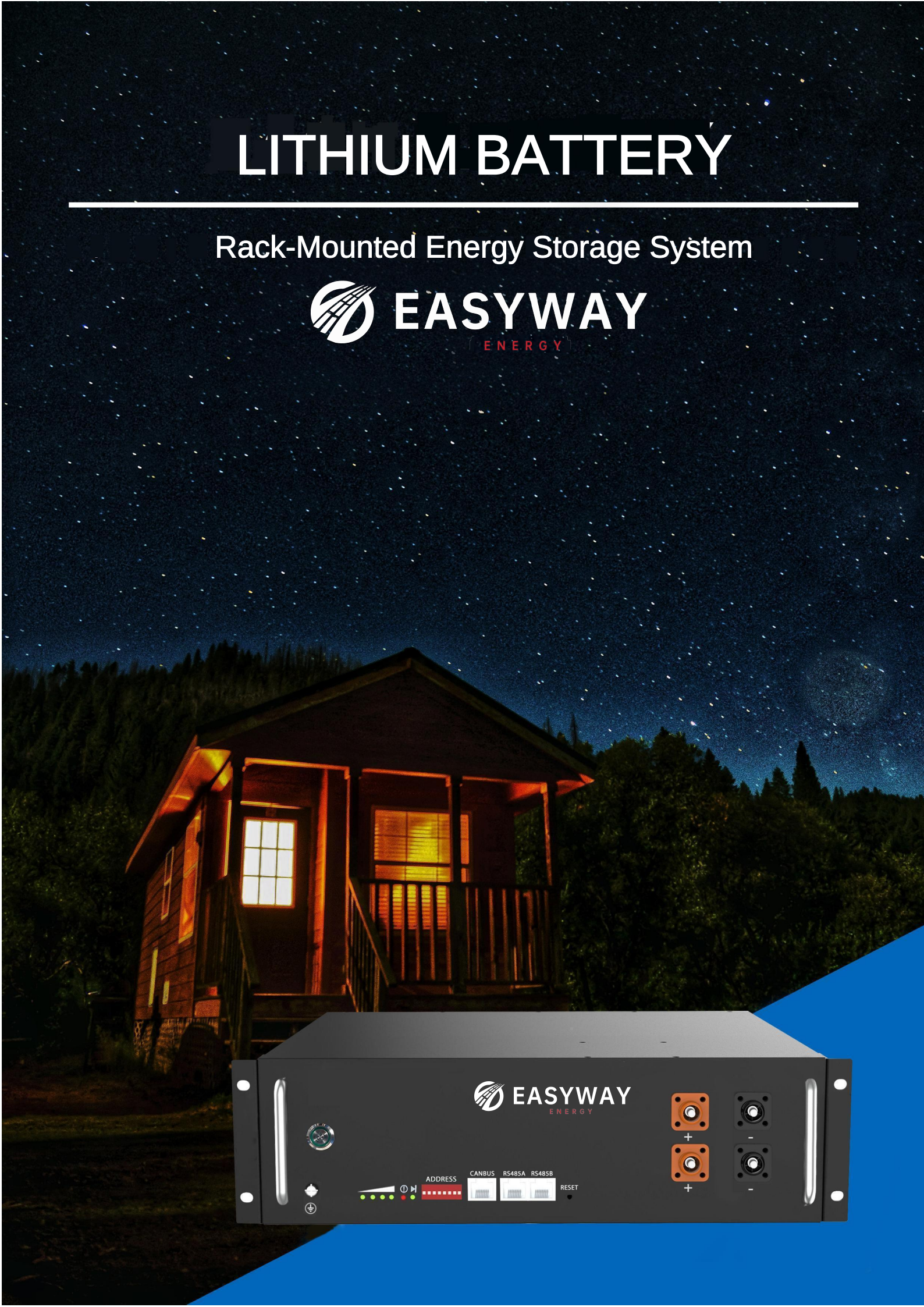

SUMMARY

The UNIV rack-mounted lithium batteries are an excellent choice for those looking for a reliable and cost-effective solution to high-performance backup power or energy storage needs. The scalability of these batteries is impressive, allowing users to expand their energy storage capacity by adding more battery modules.

These batteries come equipped with advanced monitoring and control systems that provide real-time data on battery performance, temperature, and other critical parameters, ensuring optimal battery operation and extending its lifespan.

These batteries are versatile and can be used in various applications, including backup power for data centers, telecommunications equipment, and renewable energy systems. With the UNIV rack-mounted lithium batteries, you can be sure that your energy storage needs are well taken care of, giving you peace of mind and uninterrupted power supply.

SPECIFICATION(LV)

Module		UNIV-4.8kWh/LV(R)	UNIV-10kWh/LV(R)
Basic Parameters			
Total Energy		4.89kWh	9.89kWh
Usable Energy(DC)		4.73kWh	9.6kWh
Voltage		45-54.8Vd.c	45-54.8Vd.c
Nominal Voltage		48Vd.c	48Vd.c
Rated Capacity		102Ah	206Ah
Efficiency		>97%	
Nominal Current		51A	103A
Nominal Charge power		2.44kW	4.9kW
Nominal Discharge power		2.44kW	4.9kW
Peak power(only discharging)		4kW for 3sec	8kW for 3sec
Dimension(mm)		442*135*420mm	442*223*590mm
Operating Condition		Indoor	
Weight		43kg	78kg
Operating Temperature	Charge	0℃ ~ 50℃	
	Discharge	-20℃ ~ 60℃	
Color		Black	
Humidity		＜60%(No condensed water)	
Over Voltage Category		II	
Cooling Type		Natural cooling	
Case Material		Metal	
Installation		Wall mounting/Ground Installation	
IP rating		IP 20	
Protective Class		I	
Max numbers of parallel connection		16P	
Warranty		10 years	
Life Span		>15 years	
Communication		CAN/ RS485	
Protection Mode		Dual hardware protection	
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety		Cell UL 1973	
		CE/TUV	
Hazardous Material Classification		9	
Transportation		UN38.3	

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SPECIFICATION(LV)

Module		UNIV-17.4kWh/LV(R)
Basic Parameters		
Total Energy		17.4kWh
Usable Energy(DC)		16.9kWh
Voltage		40-58.4Vd.c
Nominal Voltage		51.2Vd.c
Rated Capacity		340Ah
Efficiency		>97%
Nominal Current		170A
Nominal Charge power		5.2kW
Nominal Discharge power		10.2kW
Peak power(only discharging)		14.3kW for 3sec
Dimension(mm)		483*223*820mm
Operating Condition		Indoor
Weight		124kg
Operating Temperature	Charge	0℃ ~ 50℃
	Discharge	-20℃ ~ 60℃
Color		Black
Humidity		＜60%(No condensed water)
Over Voltage Category		II
Cooling Type		Natural cooling
Case Material		Metal
Installation		Wall mounting/Ground Installation
IP rating		IP 20
Protective Class		I
Max numbers of parallel connection		20P
Warranty		10 years
Life Span		>15 years
Communication		CAN/ RS485
Protection Mode		Dual hardware protection
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Safety		Cell UL 1973
		CE/TUV
Hazardous Material Classification		9
Transportation		UN38.3

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LITHIUM BATTERY

Rack-Mounted Energy Storage System

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SUMMARY

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These batteries come equipped with advanced monitoring and control systems that provide real-time data on battery performance, temperature, and other critical parameters, ensuring optimal battery operation and extending its lifespan.

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Wide range of products
from economy to high-end quality

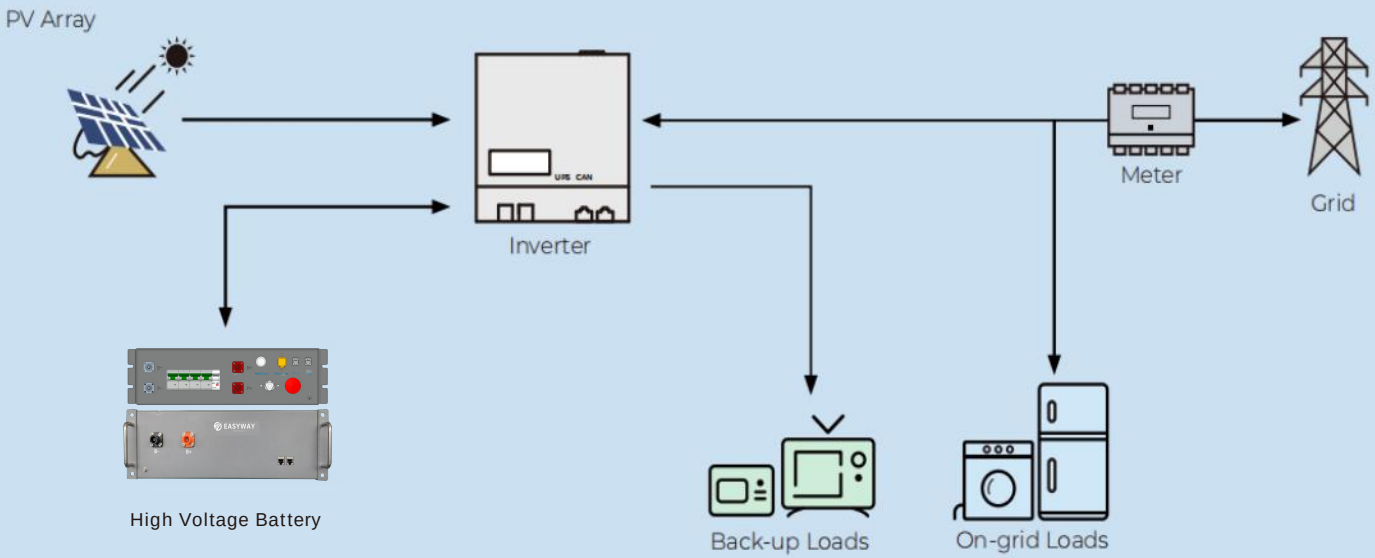
Flexibility and fast
deliveries anywhere, from kW to MW

Striving for the best availability
and price on the international market

Individual approach
and fast response

FEATURES

- CANBus standard connection
- 5+5 Years Warranty
- Bluetooth optional
- Optimal Electricity Cost
- High inverter compatibility
- >8,000 Cycles at 90%DOD
- Local BMS operation log storage
- High-quality A grade lithium battery cells



SPECIFICATION(HV)

Module		UNIV5000/HV(R)
Basic Parameters		
Total Energy		5kWh
Usable Energy(DC)		4.9kWh
Voltage		95-108Vd.c
Nominal Voltage		96Vd.c
Rated Capacity		52Ah
Efficiency		>97%
Nominal Current		26A
Nominal Charge power		2.6kW
Nominal Discharge power		2.6kW
Peak power(only discharging)		4kW for 3sec
Dimension(mm)		442*150*480mm
Operating Condition		Indoor
Weight		48kg
Operating Temperature	Charge	0℃ ~ 50℃
	Discharge	-20℃ ~ 60℃
Color		Black
Humidity		＜60%(No condensed water)
Over Voltage Category		II
Cooling Type		Natural cooling
Case Material		Metal
Installation		Wall mounting/Ground Installation
IP rating		IP 20
Protective Class		I
numbers of series connection		
Warranty		10 years
Life Span		>15 years
Communication		CAN/ RS485
Protection Mode		Dual hardware protection
Battery Protection		Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature
Safety		Cell UL 1973
		CE/TUV
Hazardous Material Classification		9
Transportation		UN38.3

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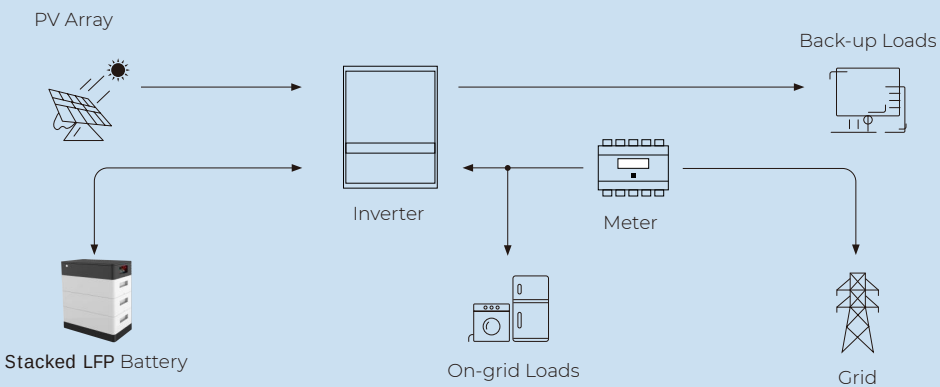
LITHIUM BATTERY

Modular Stackable Energy Storage System

FEATURES

- Wireless & blind-mating connections between battery modules
- Bluetooth optional
- High inverter compatibility
- BMS with local data storage function
- 5+5 Years Warranty
- Optimal Electricity Cost
- >8,000 Cycles at 90%DOD
- High-quality A grade lithium battery cells



SUMMARY

The EASYWAY Modular Stackable Lithium Battery is a versatile and reliable energy storage solution that offers flexible capacity expansion and easy installation. This battery is constructed from high-quality LFP battery cells and comes equipped with advanced monitoring and control systems that provide real-time data on battery performance via uplink and optional Bluetooth connectivity. These features ensure optimal battery operation and extend its lifespan.Installation, capacity expansion, and battery maintenance are made more convenient thanks to the wireless and blind-mating connections between modules. This means that users can easily add or remove battery modules as needed, making it highly adaptable to changing energy storage requirements.The EASYWAY Modular Stackable Lithium Battery is widely used in various applications, including residential, industrial, and commercial energy storage fields, as well as renewable energy systems. Its modular design and advanced features make it a cost-effective and reliable choice for all your energy storage needs.

Wide range of products

from economy to high-end quality

Flexibility and fast

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Striving for the best availability

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Individual approach

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Model	UNIV-HV ST 10K	UNIV-HV ST 15K	UNIV-HV ST 20K	UNIV-HV ST 25K	UNIV-HV ST 30K
Basic Parameters					
Nominal Voltage (Vdc)	192	288	384	480	576
Nominal Capacity	52ah	52ah	52ah	52ah	52ah
Total Energy(kWh)	10	15	20	25	30
Usable Energy (kWh)	9.7	14.5	19.3	24.2	29
Dimension(mm)W*H*D	650×380×340	650×570×340	650×760×340	650×950×340	650×1140×340
Weight(kg)	95	141	187	233	279
Nominal charge/discharge power(A)	26	26	26	26	26
Efficiency(%)	90				
Cell Type	LFP (LiFePO4)				
Relative Humidity	0 ~ 95%				
Operating Condition	Indoor				
Working Temperature/ °C Charge	0~50				
Working Temperature/ °C Discharge	-20~60				
Installation	Free standing / Wall mounting				
Protection grade	IP54				
Cooling type	Natural				
Design life(year)	10+				
Communication	CAN/RS485				
Protection mode	Triple hardware protection				
Battery protection	Over-current / Over-voltage/Short circuit/Low voltage/				
Safety	IEC62619, IEC62040, CEC,CE, RCM				
Transportation	UN38.3				

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Model	UNIV-LV ST 5000	UNIV-LV ST 10K	UNIV-LV ST 14.6K	UNIV-LV ST 19.5K	UNIV-LV ST 24.4K	UNIV-LV ST 29.3K	UNIV-LV ST 34.2K
Basic Parameters							
Nominal Voltage (Vdc)	48	48	48	48	48	48	48
Nominal Capacity	102ah	204ah	306ah	408ah	510ah	612ah	714ah
Total Energy(kWh)	4.89	9.79	14.6	19.58	24.48	29.37	34.27
Usable Energy (kWh)	4.68	9.4	14	18.8	23.5	28.2	32.9
Dimension(mm)W*H*D	650×190×340	650×380×340	650×570×340	650×760×340	650×950×340	650×1140×340	650×1330×340
Weight(kg)	49	95	141	187	233	279	325
Nominal charge/discharge power(A)	51	102	153	175	175	175	175
Efficiency(%)	90						
Cell Type	LFP (LiFePO4)						
Relative Humidity	0 ~ 95%						
Operating Condition	Indoor						
Working Temperature/ °C Charge	0~50						
Working Temperature/ °C Discharge	-20~60						
Installation	Free standing / Wall mounting						
Protection grade	IP54						
Cooling type	Natural						
Design life(year)	10+						
Communication	CAN/RS485						
Protection mode	Triple hardware protection						
Battery protection	Over-current / Over-voltage/Short circuit/Low voltage/						
Safety	IEC62619, IEC62040, CEC,CE, RCM						
Transportation	UN38.3						

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