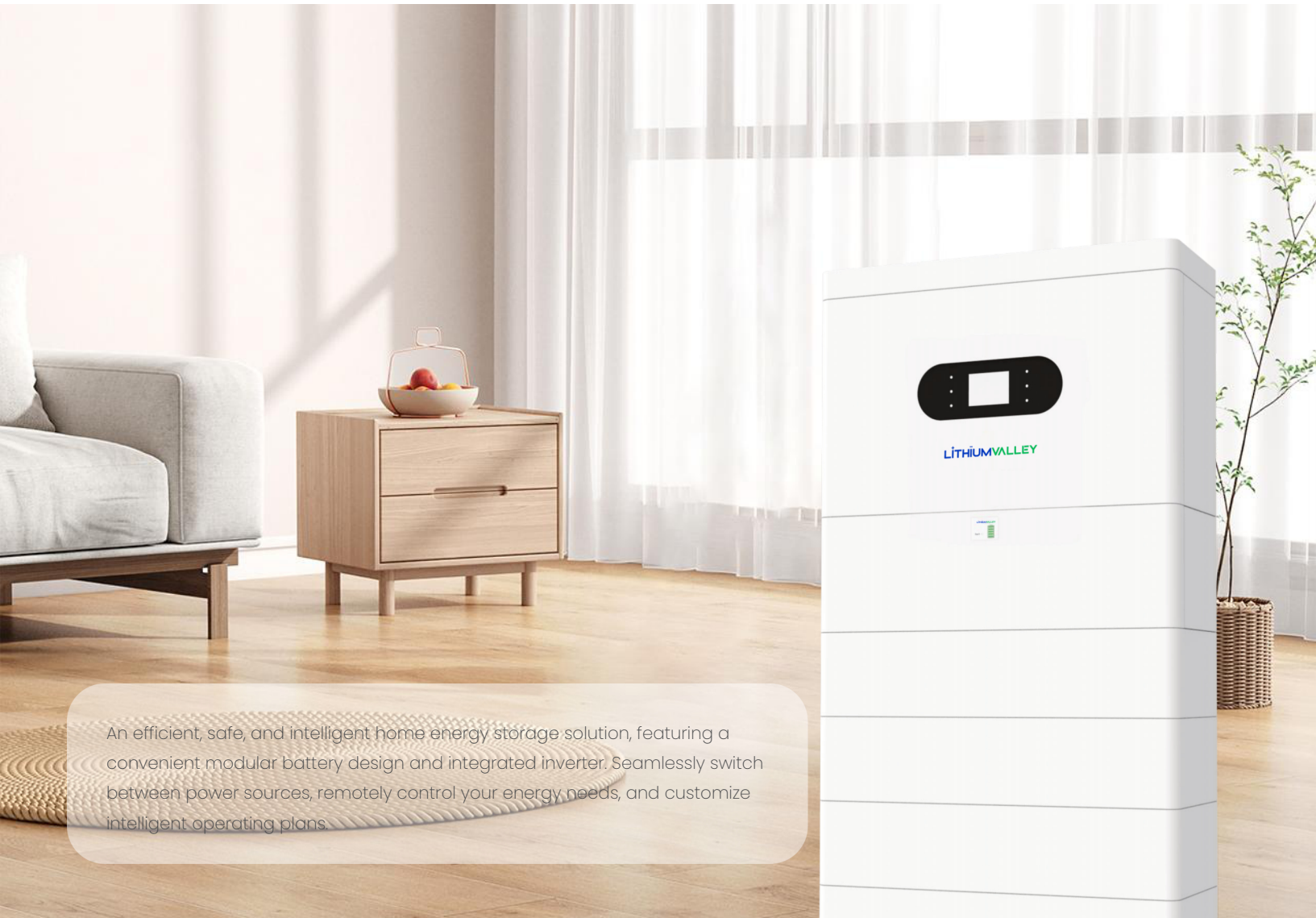


Residential BESS

LITHIUMVALLEY

5kW/10kWh-HU

51.2V 48Ah Single module



An efficient, safe, and intelligent home energy storage solution, featuring a convenient modular battery design and integrated inverter. Seamlessly switch between power sources, remotely control your energy needs, and customize intelligent operating plans.

FEATURES



Unique Design

Modular space saving design



High Efficiency

High voltage technology



Safe & Reliable

Lithium Iron Phosphate (LFP) Cell



LED Display

SOC, Battery Status



Easy Installation

Easy to transport and install



Flexible & Upgradeable

Suitable for back-up systems

Model

5kW/10kWh-HU

Battery

Chemistry	Lithium Iron Phosphate(LiFePO4)
Cycle life	≥6000 (@25°C, 0.5C/0.5C)
Single module spec	51.2V 48Ah/2.457kWh
Number of modules	4 layers
Nominal voltage	204.8V
Voltage range	179.2V~233.6V
Nominal capacity	48Ah
Nominal energy	9.828kWh

Input(PV)

Max DC power	7500W
Max DC voltage	1000Vd.c.
MPPT voltage range	200...850Vd.c.
Max input current/per string	13Ax2
Number of MPP trackers	2

Output (AC)

AC nominal power	5000VA
Max AC apparent power	5500VA
Max output current	10A
Nominal AC output	50/60Hz; 400/350
Harmonics factor	<3%
Grid type	3W/N/PE
Three-phase unbalance output	0~100%

AC Output (Back-up)

Max AC apparent power	5000VA
Norminal Output Voltage	400/380V
Norminal Output Frequency	50/60HZ
Output THDV (@Linear Load)	<3%

Efficiency

Maximum conversion efficiency	98.0%
European efficiency	97.3%
Max battery to AC Efficiency	97.2%
MPPT efficiency	99.9%

General Parameters

Battery dimension (W*D*H)	650*250*1300mm
Battery weight	193kg
Degree of protection	IP65
Environment	Indoor/outdoor under roof(avoid direct sunlight)
Communication interfaces	RS485 / CAN
Operatingtemperature	-20~40°C
Relative humidity	5%~95%
Cooling	Natural cooling

Certificates

UN38.3,IEC62619,IEC61000

*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.

*The specifications are subject to change without prior notice.



LITHIUMVALLEY



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