



Key attributes

Industry-specific attributes

Output Power Range: 20-50 kWh

Grid connection: Off grid, Hybrid grid

Other attributes

Battery Type: LiFePO4

System Type: Stackable

Model Number: CE-SPES15kWh/HV CE-SPES 30kWh/HV

Brand Name: CMB Energy

Place of Origin: Shenzhen, China

Dimension (L*W*H): 670*330*1329MM

Weight: 218kg

Type: Split

Communication Port: CAN

Protection Class: IP54

Product name: LifePO4 Lithium Battery

Application: Electric Power Systems

Voltage: 57.6v

Cycle life: 6000 Times

OEM/ODM: Acceptable

Warranty: 10 Years

Nominal Capacity: 9/12/15/18/21/24/27/30kwh

Protection: Built in Smart BMS

Features: Long Cycle Life

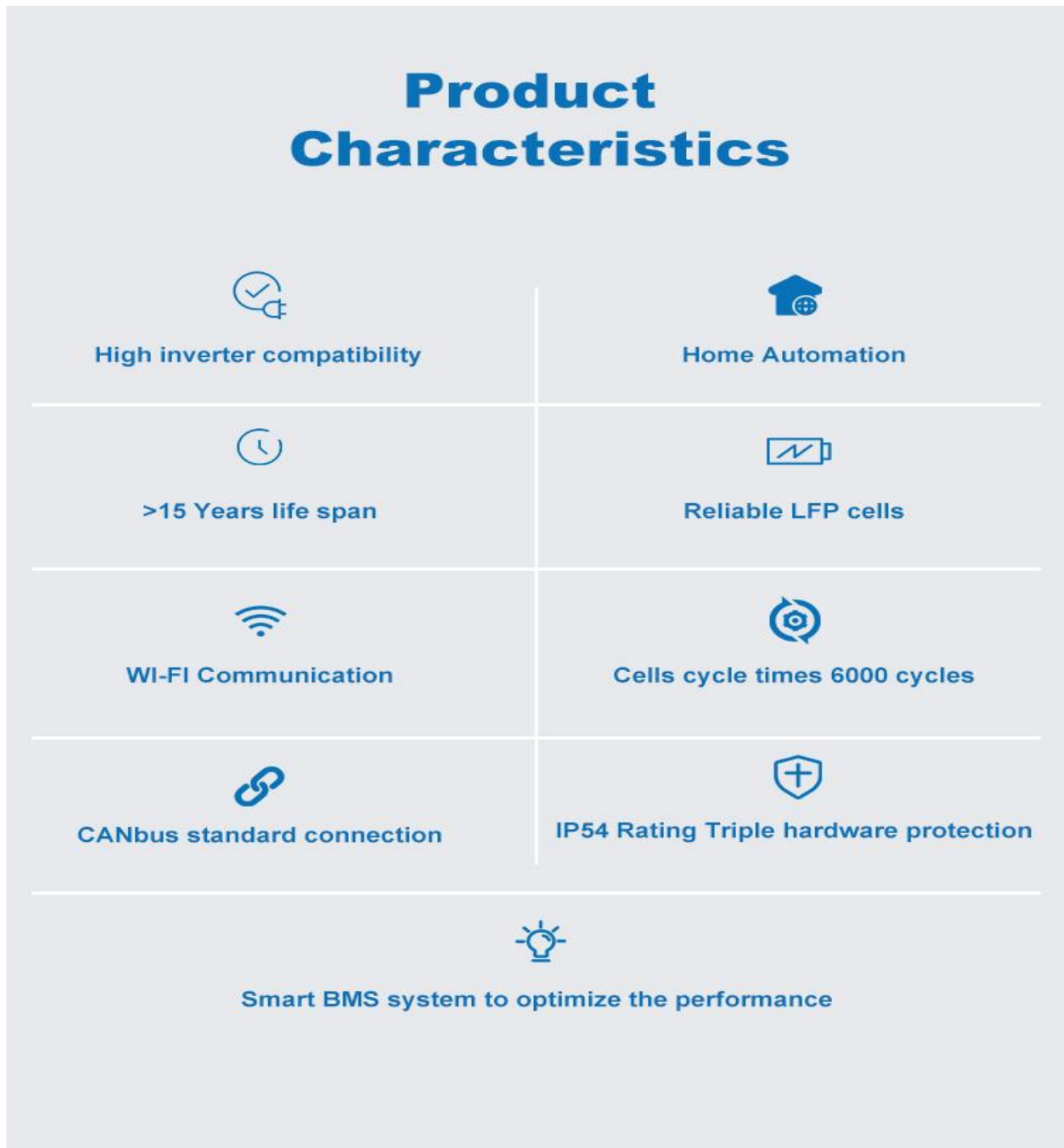
Certification: CE,MSDS,UN38.3

Packaging and delivery









Selling Units:: Single item


Single package size: 67X33X100 cm

Single gross weight: 160.000 kg



The infographic is titled "Product Characteristics" in large blue font. It features a grid of eight characteristics, each with an icon and text. The characteristics are: High inverter compatibility (lightbulb icon), Home Automation (house icon), >15 Years life span (clock icon), Reliable LFP cells (battery icon), Wi-Fi Communication (Wi-Fi symbol icon), Cells cycle times 6000 cycles (target icon), CANbus standard connection (link icon), and IP54 Rating Triple hardware protection (shield icon). At the bottom, a lightbulb icon is followed by the text "Smart BMS system to optimize the performance".

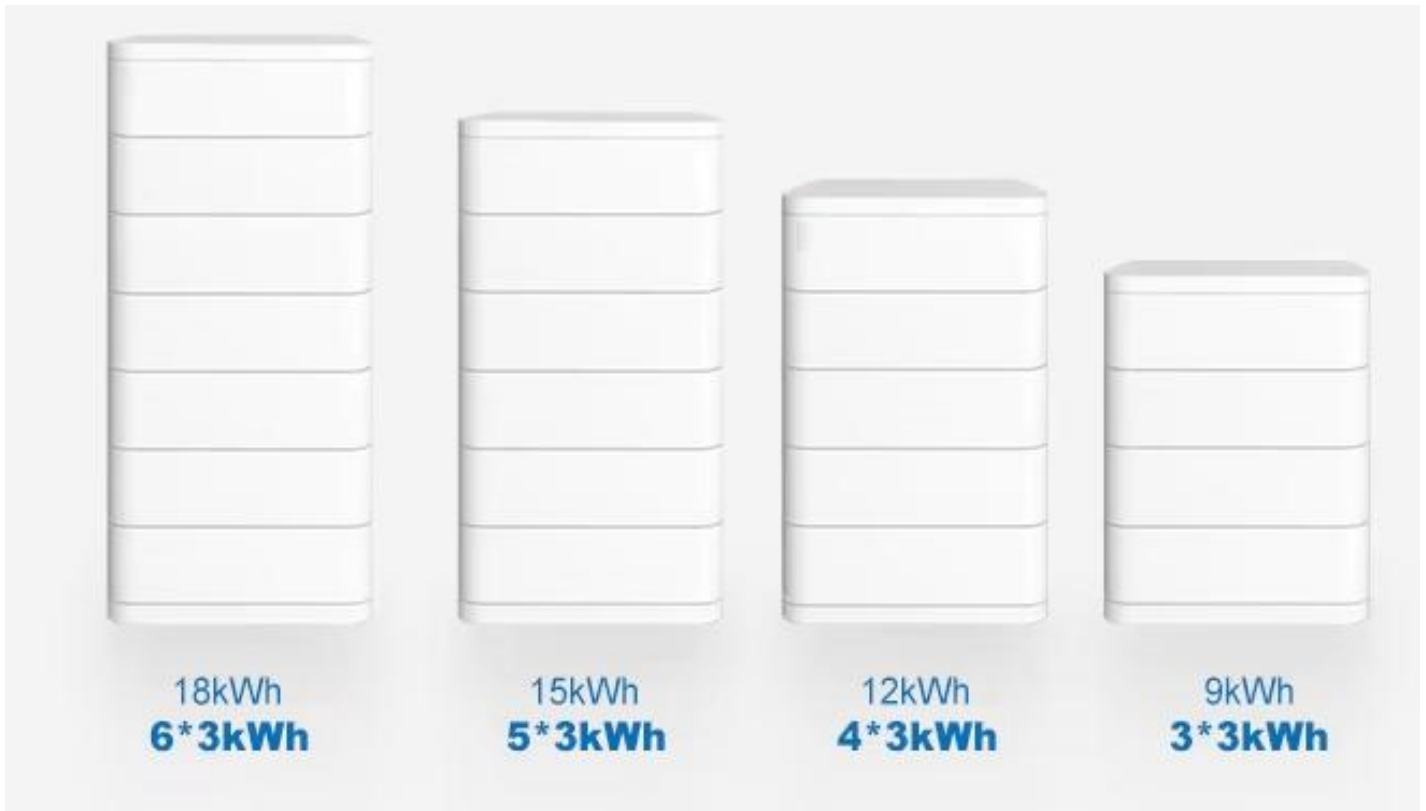
 High inverter compatibility	 Home Automation
 >15 Years life span	 Reliable LFP cells
 Wi-Fi Communication	 Cells cycle times 6000 cycles
 CANbus standard connection	 IP54 Rating Triple hardware protection


Smart BMS system to optimize the performance

The **LFP 9kWh/HV** home battery is modular in 2.88 kWh increments, providing a capacity range of

8.64kWh-28.8kWh per stack. This also allows for easy servicing and future expansion. With continuous output at up to 14.4kW, true full-home backup is here.





Module Type	LFP 9kWh	LFP 12kWh	LFP 15kWh	LFP 18kWh	LFP 21kWh	LFP 24kWh	LFP 27kWh	LFP 30kWh
Usable Energy	8.64kWh	11.52kWh	14.40kWh	17.28kWh	20.16kWh	23.04kWh	25.92kWh	28.80kWh
Battery Module	LFP 3000 / HV : 57.6V 50Ah							
Number of Modules	3	4	5	6	7	8	9	10
Nominal Voltage	172.8V	230.4V	288V	345.6V	403.2V	460.6V	518.4V	576V
Operating Voltage Ranges	135-197.1V	180-262.8V	225-328.5V	270-394.2V	315-459.9V	360-525.6V	405-591.3V	450-657V
Nominal Dis-/Charge Current	25 / 50A							
Max. Charge Voltage	197.1V	262.8V	328.5V	394.2V	459.9V	525.6V	591.3V	657V
Weight	102kg	131kg	160kg	189kg	218kg	247kg	276kg	305kg
Dimension(mm)	670*330*69	670*330*85	670*330*10	670*330*11	670*330*13	670*330*14	670*330*16	670*330*18
	7	5	13	71	29	87	45	03
Safety	CE,UN38.3,IEC62619,IEC63056,IEC62477							

The lithium iron phosphate battery (LiFePO₄ or LFP) is the safest of the mainstream lithium battery types. A single

LFP cell has a nominal voltage of 3.2V. A 57.6V LFP battery consists of 18 cells connected in series. LFP is the chemistry of choice for very demanding applications.

Some of its features are: Rugged - It can operate in deficit mode during long periods of time. High round trip efficiency. High energy density - More capacity with less weight and volume. High charge and discharge currents - Fast charges and discharges are possible. Flexible charge voltages.

