EB Series

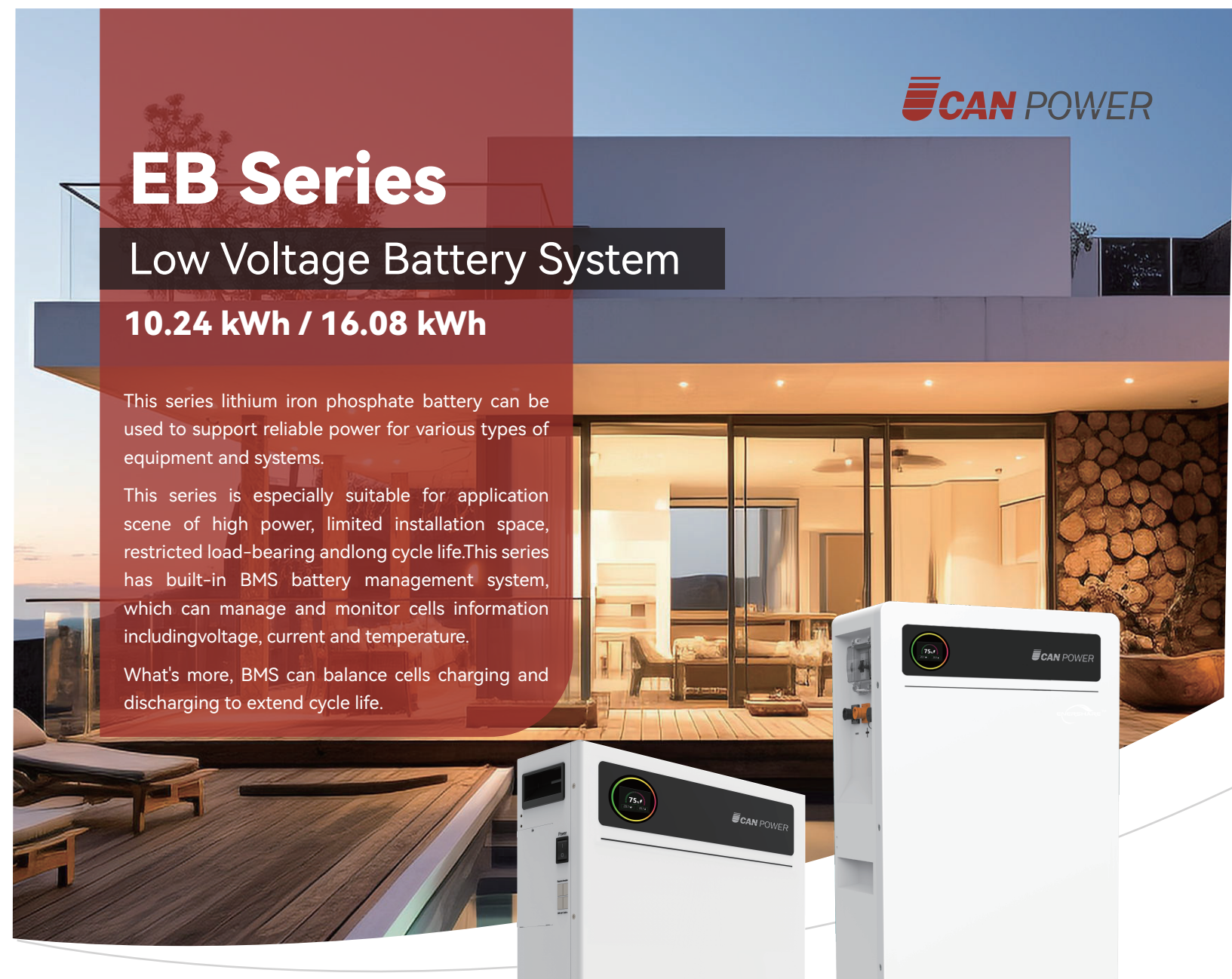
Low Voltage Battery System

10.24 kWh / 16.08 kWh

This series lithium iron phosphate battery can be used to support reliable power for various types of equipment and systems.

This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing andlong cycle life.This series has built-in BMS battery management system, which can manage and monitor cells information includingvoltage, current and temperature.

What's more, BMS can balance cells charging and discharging to extend cycle life.



EB-1024

EB-1608

CELL+ Optimization

SOC 75%
LCD Display

1-10 units

- Cell-level active equalisation to improve overall battery life
- Roller design, easy to move
- Display + status light design, working status can be seen at a glance
- Easy to upscale，Up to 10 inparallel connection

Built-in cell-level active balance module to enhance battery performance and cycle life

During The Charging Progress

No active balance system
Display SOC 100%
Actual SOC 95.5%

100%	99%
97%	96%
97%	98%
88%	89%

Built-in active balance system
Display SOC 100%
Actual SOC 100%

100%	100%
100%	100%
100%	100%
100%	100%

Non-active balance system: The lower performing cells are prioritised for filling, at which point the system defaults to 100% SOC and no further charging takes place. However, the actual system SOC is only 95.5 per cent.

During The Discharging Progress

No active balance system
Display SOC 10%
Actual SOC 14.5%

10%	15%
11%	19%
16%	18%
13%	14%

Built-in active balance system
Display SOC 10%
Actual SOC 10%

10%	10%
10%	10%
10%	10%
10%	10%

Non-active balance system : poorly performing cells are prioritised to the lowest SOC limit (e.g. 10%), then the system defaults to a SOC of 10% and no more discharging. However, with an actual SOC of 14.5%, there is still room for discharge.

Model	EB-1024	EB-1608
Electrical Parameter		
Battery Type	LiFePO4	
Battery Capacity per Kit [Wh]	10.24kWh	16.08kWh
Usable Energy [Wh]	9.2kWh	14.5kWh
Rated Voltage [V]	51.2V	
Voltage range [V]	44.8V-57.6V	
Max. Charging and Discharging Rate	130A	200A
Depth Of Discharge [DOD]	≤90%	
Cycle Life (25℃ ,0.5C)	≥6000 times,80% Capacity retention	
Scalability	Yes	
General Data		
Communication Mode	RS485/CAN2.0	
Operating Temperature Range	0~55℃ (Charge)/-10~55℃(Discharge)	
Storage Temperature Range	-15℃~60℃	
Cooling Method	Natural Convection	
Altitude	<1000m	
Ambient Humidity	20-95% non-condensing	
Noise[dBA]	<25	
Ingress Protection	IP54	
Dimensions [H*W*D]	688.7*535*161mm	1075*460*271mm
Weight	88kg	123kg
Installation Methods	Floor Standing	Floor Standing