

SMALL-SCALE C&I ESS SOLUTION

DEYE SUMMER BOS SERIES



Intelligent Control

- Protection against over-discharge, over-charge, over-current and extreme temperatures
- Automatically manage charge / discharge
- States and balances cell current voltage
- Uploading of battery data via TCP protocol



Smart Operation

- Cloud-based monitoring
- Keep track of the operating status
- Intelligent strategy control
- Effectively saving on electricity bill



Flexible Expansion

- Support 7 ~ 21 packs
- Inverter 50 ~ 100kW, Battery 54 ~ 161kWh
- Easy capacity expansion and save more budget



Easy Installation

- 3U rack embedded design
- A concise data display interface
- Multiple battery modules can be in series for expanding
- Dual power output plugins, each supports 100A
- Connectable to two inverter DC interfaces
- USB, Bluetooth connection



Safe and Reliable

- Intelligent BMS
- Firefighting module
- Dual electrode disconnection design
- Support up to 160A current output



Long Service Life

- Full replacement warranty
- 6000 cycles

≥6000

Cycles

3U

Standard Chassis

70%

EOL

10 years

Warranty

Rack-Mounted Battery (HV)

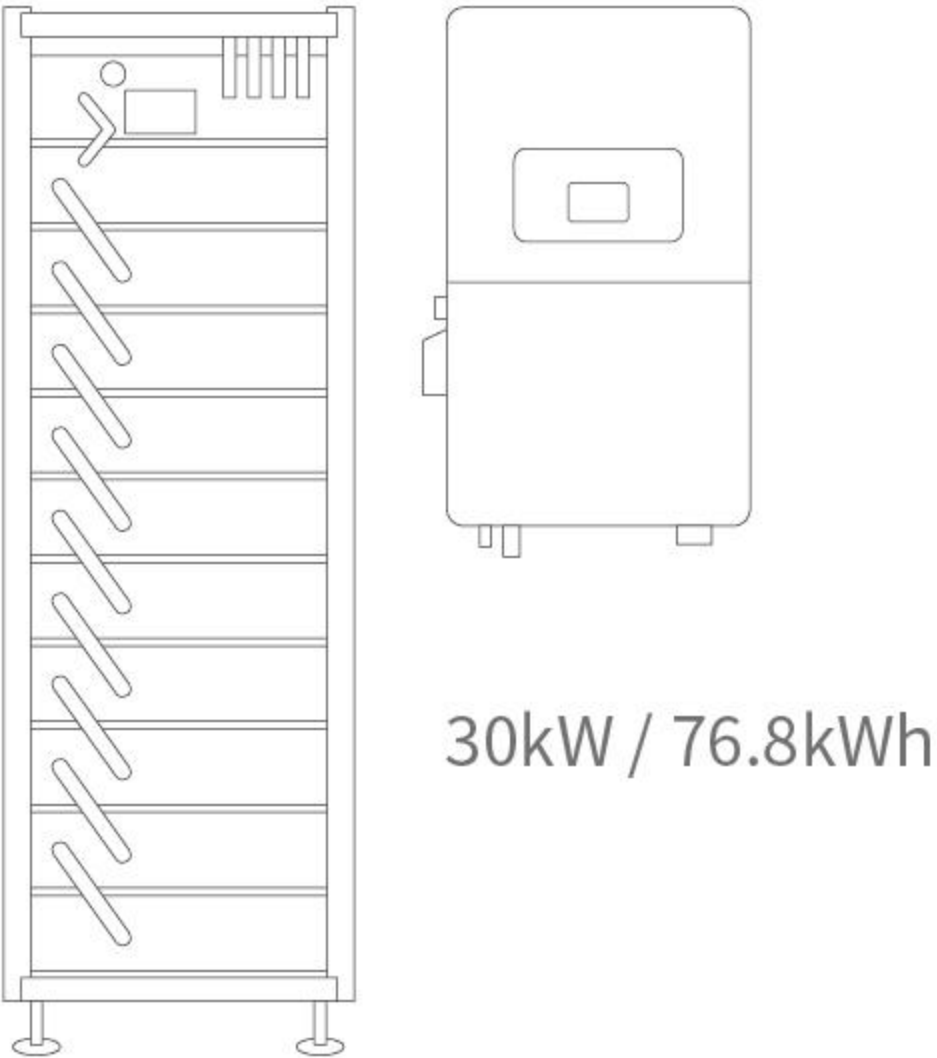


Model	BOS-A			
Main Parameter				
Cell Chemistry	LiFePO ₄			
Module Energy (kWh)	7.68			
Module Nominal Voltage (V)	38.4			
Module Capacity (Ah)	200			
Module Dimension (W × D × H, mm)	601.5 × 520 × 135			
Module Weight Approximate (kg)	70			
Battery Module Qty In Series (Optional)	10	13	17	21
System Nominal Voltage (V)	384	499.2	652.8	806.4
System Operating Voltage (V)	336 ~ 438	436.8 ~ 569.4	571.2 ~ 744.6	705.6 ~ 919.8
System Energy (kWh)	76.8	99.84	130.56	161.28
System Usable Energy (kWh) ¹	69.12	89.85	117.5	125.15
Charge / Discharge ²	100			
Current (A)	160			
Working Temperature (°C)	Charge : 0 ~ 55 / Discharge : -20 ~ 55			
Status Indicator	Yellow : Battery High Voltage Power On Red : Battery System Alarm			
Communication Port	CAN2.0			
Humidity	5% ~ 85%RH			
Altitude	≤3000m			
IP Rating of Enclosure	IP20			
Dimension (W × D × H, mm)	610 × 610 × 1900	610 × 610 × 2350	610 × 1320 × 1600	610 × 1320 × 1900
Weight Approximate (kg)	728	934	1161	1501
Installation Location	Rack-Mounted			
Storage Temperature (°C)	0 ~ 35			
Recommend Depth of Discharge	90%			
Cycle Life	≥6000 (25±2°C, 0.5C / 0.5C, EOL70%)			
Warranty ³	10 years			
Certification	UN38.3 / UL1973 / UL9540 / UL9540A			

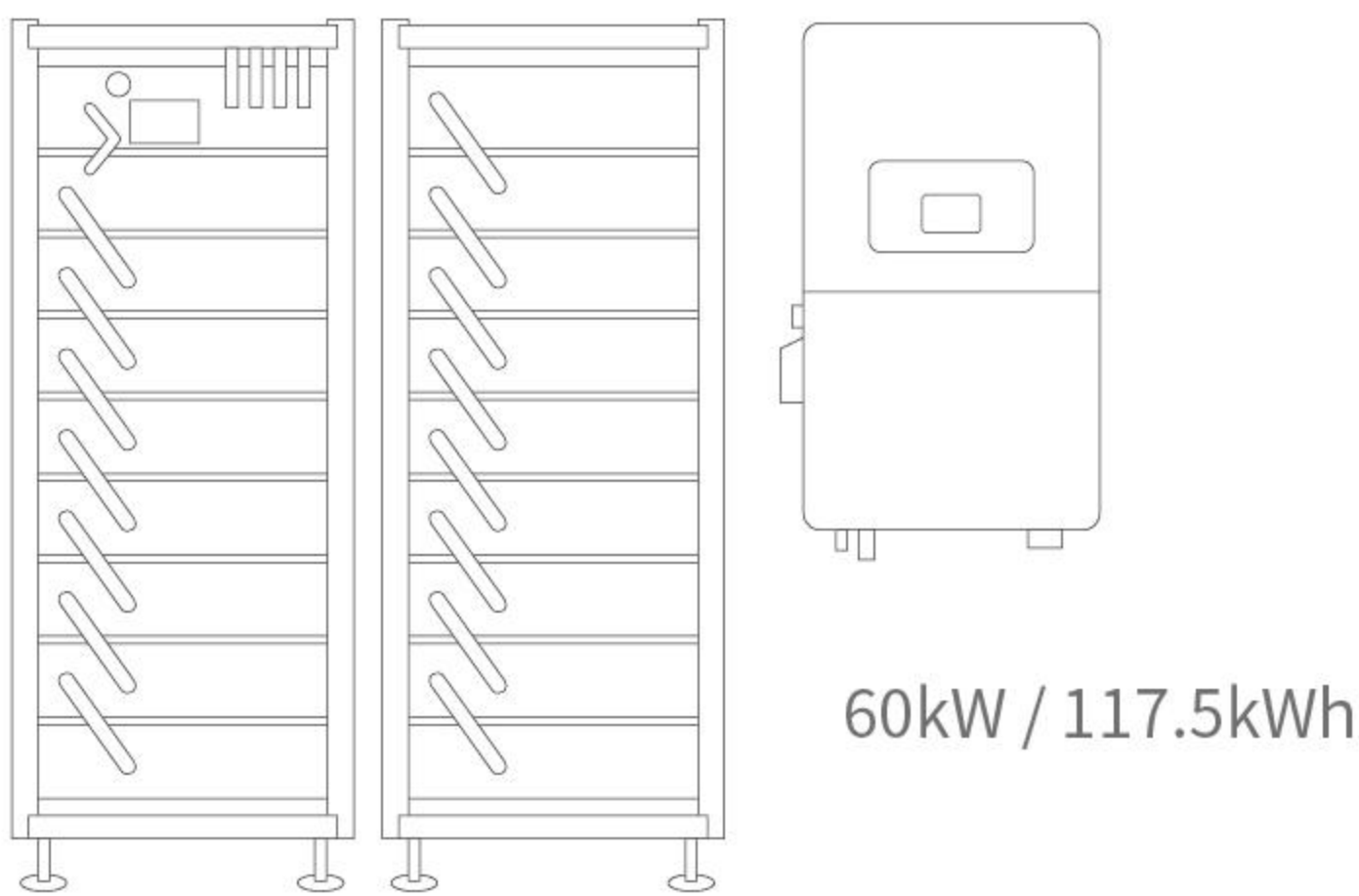
1. DC Usable Energy, test conditions : 90%DOD, 0.3C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
2. The current is affected by temperature and SOC.
3. The warranty is due whichever reached first of warranty period or life cycle power.

Backup Power Duration Plan	2 hours		4 hours	
Hybrid inverter power	30kW	60kW	30kW	60kW
Battery model	BOS-A75	BOS-A130	BOS-A75	BOS-A130
Number of batteries	1 pc	1 pc	2 pcs	2 pcs

BOS-A75



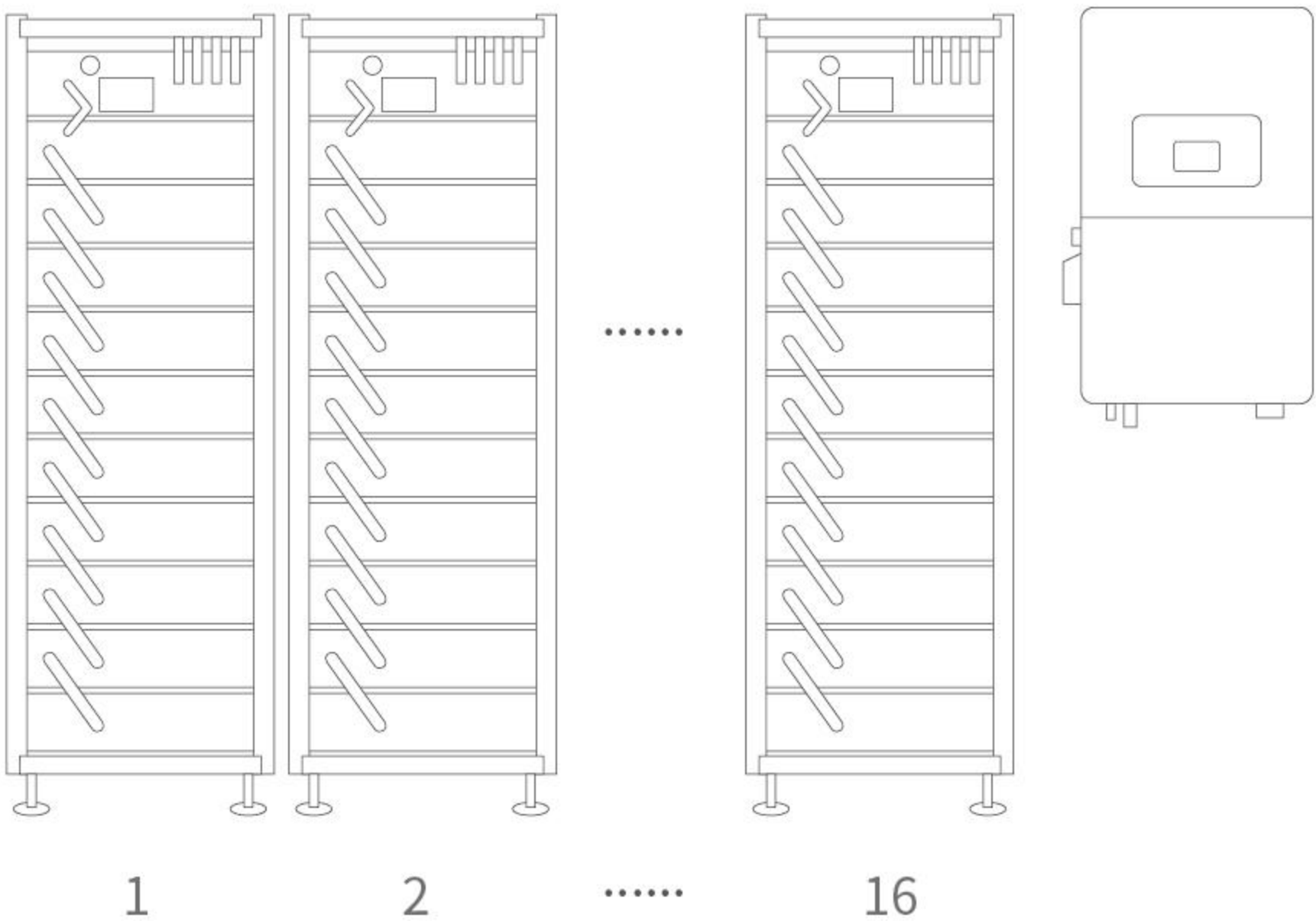
BOS-A130



Typical Application Scenarios

BOS-A75

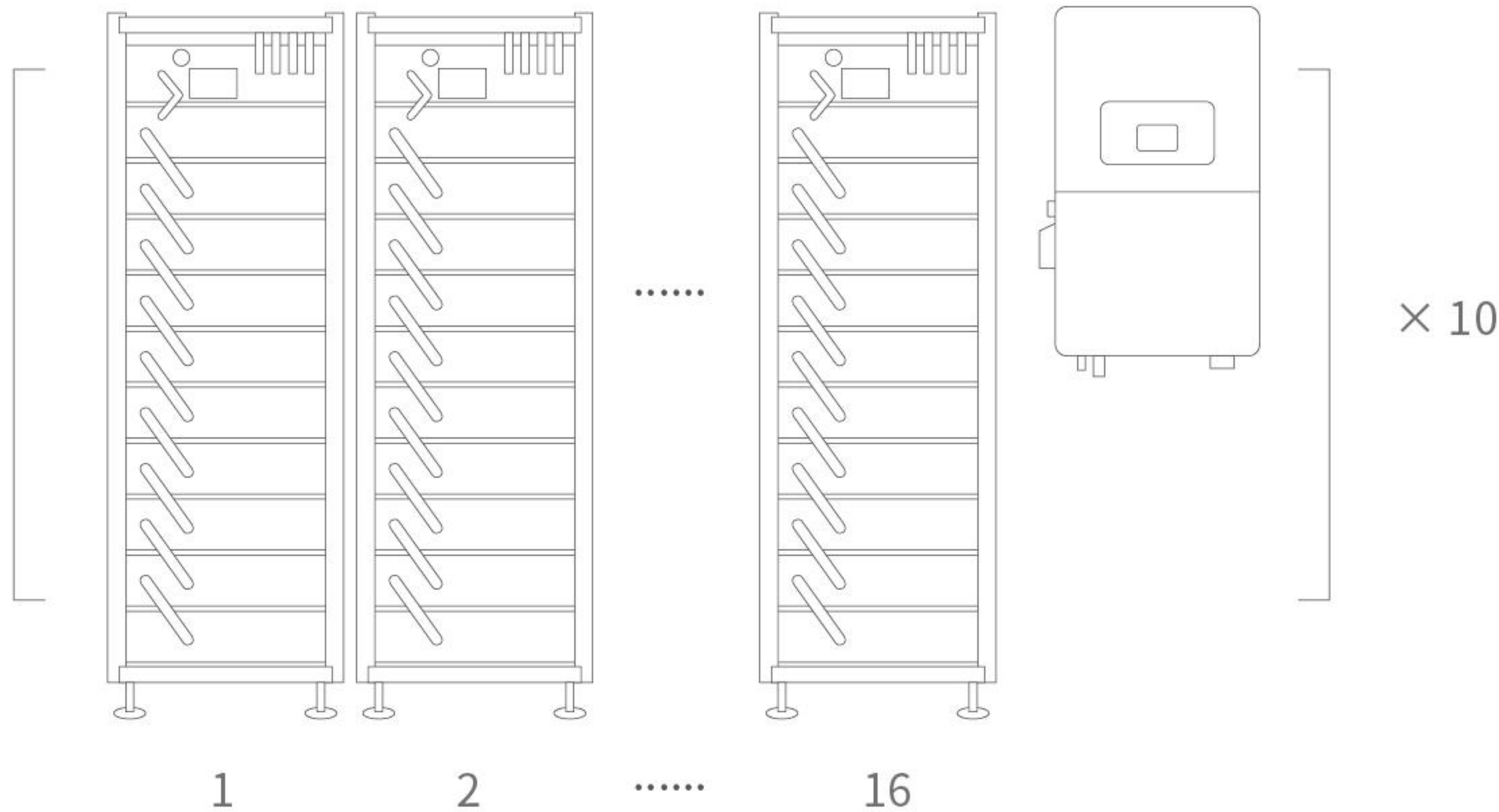
Inverter 30kW



Maximum support for 16 racks of batteries in parallel

BOS-A75

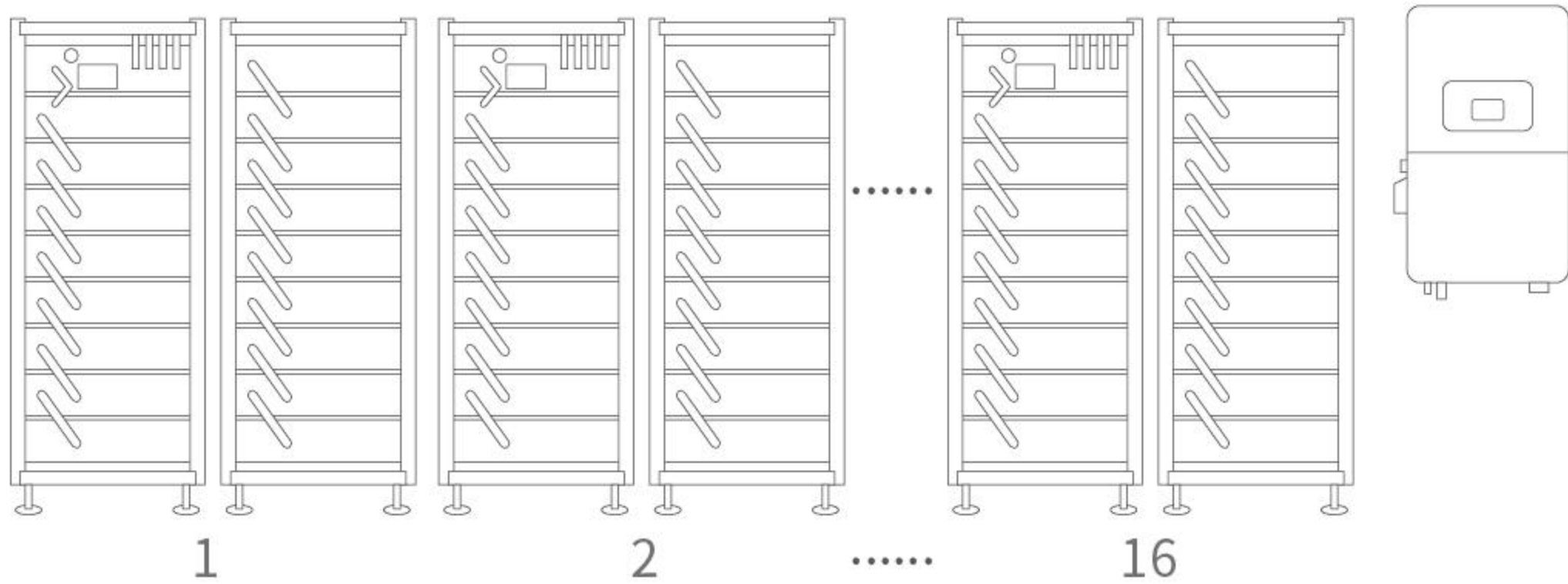
Inverter 30kW



Maximum support for 10 inverters in AC parallel operation

BOS-A130

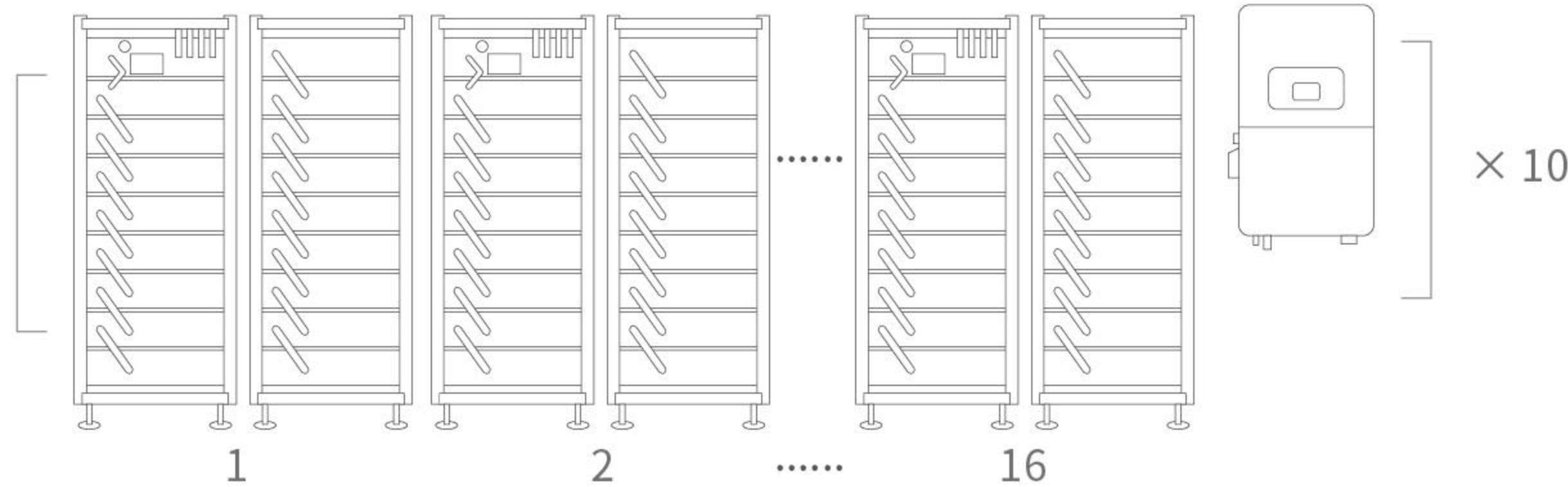
Inverter 60kW



Maximum support for 16 clusters of batteries in parallel

BOS-A130

Inverter 60kW



Maximum support for 10 inverters in AC parallel operation



Supporting the establishment, data acquisition, data monitoring, one-stop operation maintenance and after-sales service of all new energy power stations.

Through the Deye smart cloud big data platform, all types of power stations with transparent management which improves the value of power stations comprehensively.

CONNECT, MONITOR, CONTROL

Seamlessly integrated with Deye devices for a smarter, more efficient energy experience.

- User-friendly interface demystifies complex settings.
- Clear menu hierarchy, key information at your finger tips.



Deye ESS



www.deyeess.com