SMALL-SCALE C&I ESS SOLUTION

DEYE SUMMER BOS SERIES



Smart

- Protect against over-discharge, over-charge, over-current, and extreme temperatures
- Automatically manage charge, discharge, and cell balancing

Flexible

- Multiple battery modules can be in parallel
- Support USB and remote upgrades (Compatible with Deye inverter)

Safe and Reliable

- (LFP) Battery : Safe, long-lasting, high-efficiency
- Less self-discharge, up to 6 months without charging
- No memory effect, excellent with shallow charge and discharge

Excellent Performance

- Working temperature range : -20ºC ~ 55ºC
- Excellent discharge performance and cycle life

⩾6000
Cycles

Wide Temperature
-20℃ to 55℃

70%
EOL

Multiple
battery series configurations

Rack-Mounted Battery（HV）

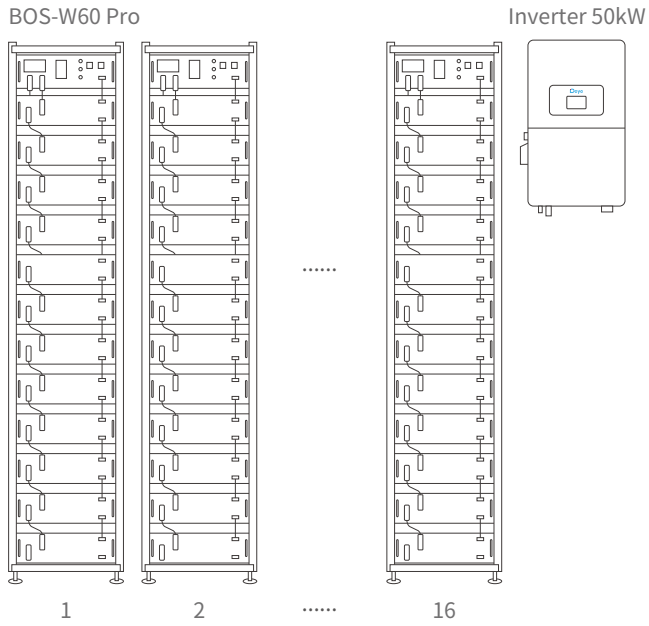


Model		BOS-W			
Main Parameter					
Cell Chemistry		$LiFePO_4$			
Module Energy (kWh)		5.12			
Module Nominal Voltage (V)		51.2			
Module Capacity (Ah)		100			
Battery Module Number		BOS-W25	BOS-W40	BOS-W60	BOS-W85
Battery Module Qty In Series (Optional)		5 (Min)	8	12	17 (Max)
System Nominal Voltage (V)		256	409.6	614.4	870.4
System Operating Voltage (V)		220 ~ 292	352 ~ 467.2	528 ~ 700.8	748 ~ 992.8
System Energy (kWh)		25.6	40.96	61.44	87.04
System Usable Energy (kWh) [1]		23.04	36.86	55.3	78.33
Rated DC Power		25.6	40.96	55.3	87.04
Charge / Discharge Current (A) [2]	Recommend	50			
	Nominal	100			
	Peak Discharge(2 mins, 25°C)	125			
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 / RS485			
Humidity		5% ~ 85%RH			
Altitude		⩽3000m			
IP Rating of Enclosure		IP20			
Dimension (W × D × H, mm)		530 × 602 × 1629		530 × 602 × 2219	1060 × 602 × 1629
Weight Approximate (kg)		290	428	622	883
Installation Location		Rack Mounting			
Storage Temperature (°C)		0 ~ 35			
Recommend Depth of Discharge		90%			
Cycle Life		25±2°C, 0.5C / 0.5C, EOL70%⩾6000			
Warranty[3]		10 years			
Certification		UN38.3			

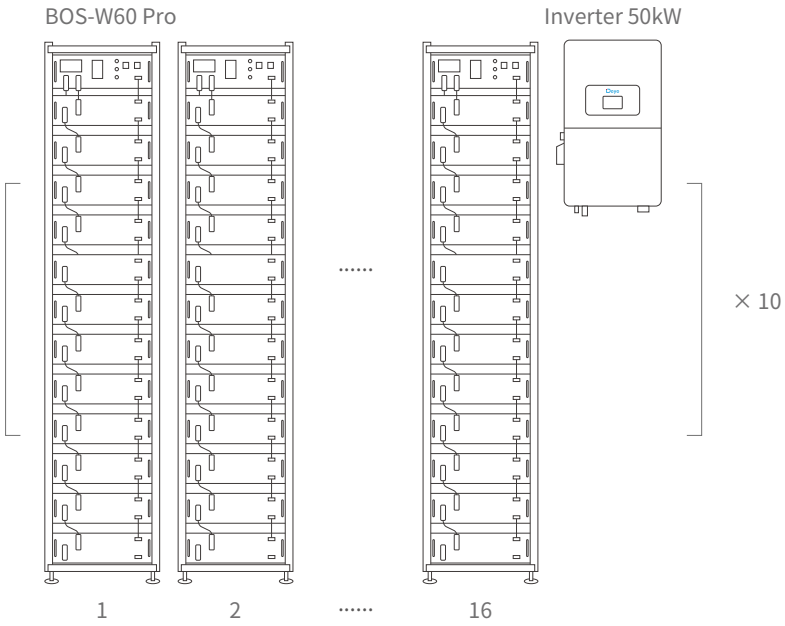
1. DC Usable Energy, test conditions : 90% DOD, 0.3C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
2. The current is affected by temperature and SOC.
3. The warranty is due whichever reached first of warranty period or life cycle power.
4. Made in China.

Small-Scale C&I ESS Solutions

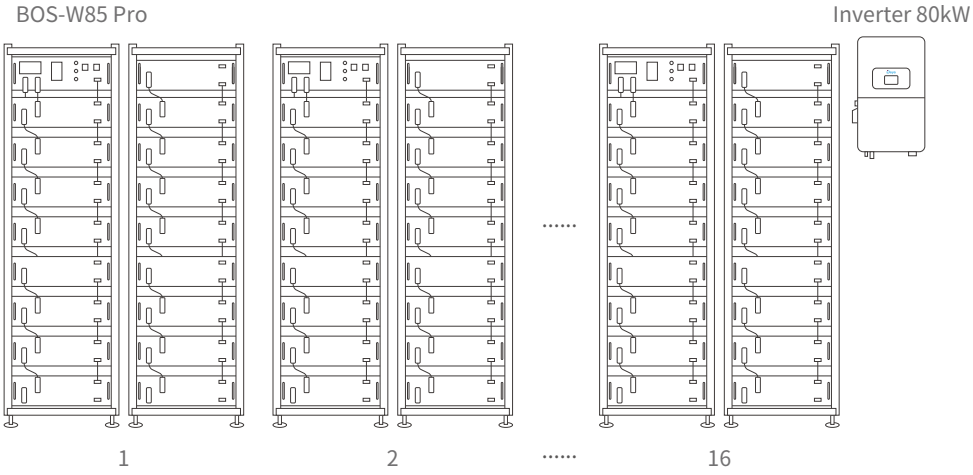
Typical Application Scenarios



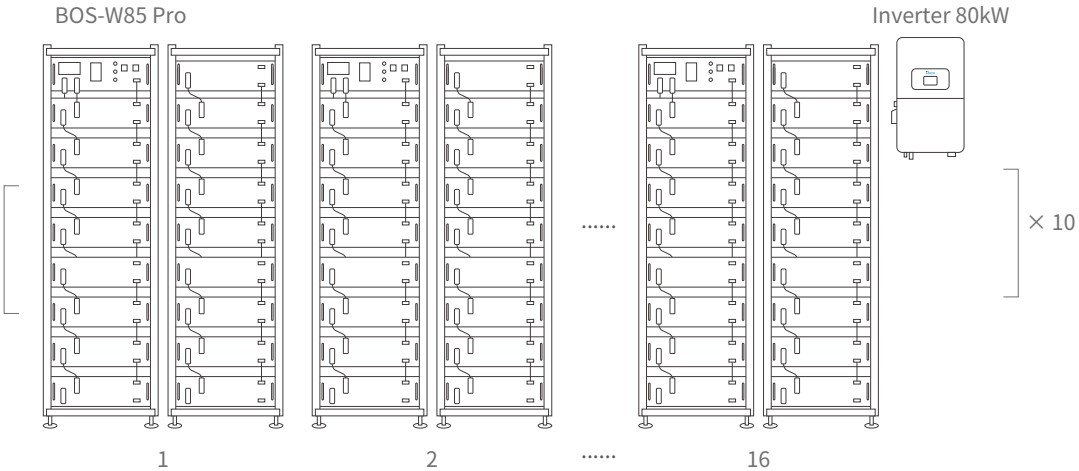
Maximum support for 16 racks of batteries in parallel



Maximum support for 10 inverters in AC parallel operation



Maximum support for 16 clusters of batteries in parallel



Maximum support for 10 inverters in AC parallel operation

To Make ESS Better

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