

# 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



## 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



## Flexible

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



## Excellent Performance

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

≥6000

Cycles

Wide  
Temperature

-20°C to 55°C

70%

EOL

Multiple

battery series configurations

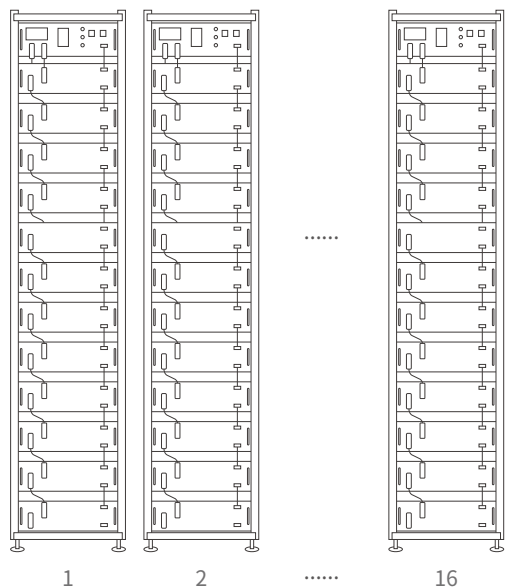


| Model  |                              | BOS-W   |             |                  |                   |
|--|------------------------------|---|-------------|------------------|-------------------|
| Main Parameter                                   |                              |   |             |                  |                   |
| Cell Chemistry                                   |                              | LiFePO <sub>4</sub>   |             |                  |                   |
| 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-W80           |
| Battery Module Qty In Series ( Optional )        |                              | 5 ( Min )   | 8           | 12               | 16 ( Max )        |
| System Nominal Voltage ( V )                     |                              | 256   | 409.6       | 614.4            | 819.2             |
| System Operating Voltage ( V )                   |                              | 220 ~ 292   | 352 ~ 467.2 | 528 ~ 700.8      | 704 ~ 934.4       |
| System Energy ( kWh )                            |                              | 25.6  | 40.96       | 61.44            | 81.92             |
| System Usable Energy ( kWh ) <sup>1</sup>        |                              | 23.04   | 36.86       | 55.3             | 73.73             |
| Rated DC Power ( kW )                            |                              | 25.6  | 40.96       | 61.44            | 81.92             |
| Charge / Discharge<br>Current ( A ) <sup>2</sup> | 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              | 837               |
| 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 <sup>3</sup>                            |                              | 5 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.

Typical Application Scenarios

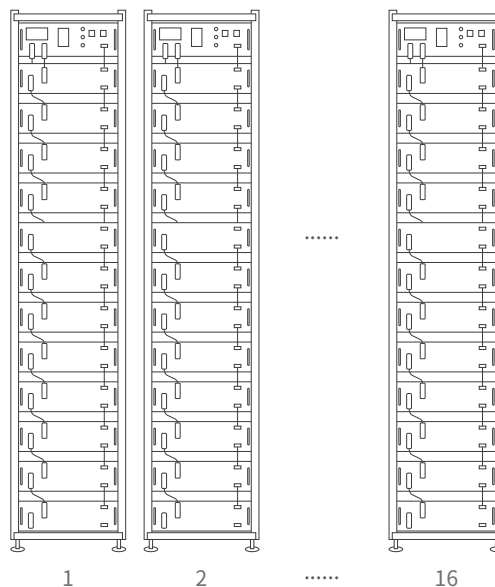
BOS-W60



Maximum support for 16 racks of batteries in parallel

Inverter 50kW

BOS-W60

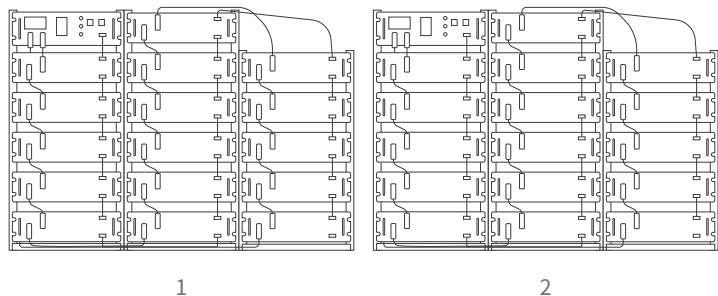


Maximum support for 10 inverters in AC parallel operation

Inverter 50kW

× 10

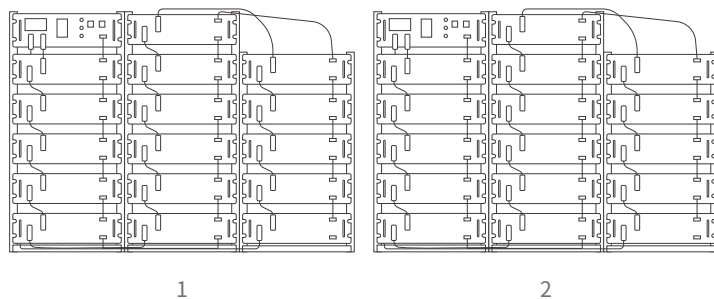
BOS-W80



Maximum support for 16 clusters of batteries in parallel

Inverter 80kW

BOS-W80



Maximum support for 10 inverters in AC parallel operation

Inverter 80kW

× 10



**POWERING YOUR LIFE**



[www.deyeess.com](http://www.deyeess.com) / [www.deyeinverter.com](http://www.deyeinverter.com)



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