



# Small-Scale C&I Energy Storage Solution

**BOS-G**

## BOS-G



### 10-Year Warranty

Safest LFP battery & Intelligent BMS



### Battery Protection

Auto charge/discharge & Cell voltage balancing



### Flexible Expansion

Support 3 ~ 12 packs in series



### Intelligent Control

Over-discharge/charge/current and temp protection



### High-Efficiency Use

Low self-discharge for 6 months & No memory effect



### Smart Control

Remote monitoring, management, and upgrades

# Small-Scale C&I Energy Storage Solution



## Model **BOS-GX ( X=15,20,25,30,35,40,45,50,55,60 )**

### Main Parameters

|                                                  |                                                                   |             |         |             |             |                  |             |         |             |           |
|--------------------------------------------------|-------------------------------------------------------------------|-------------|---------|-------------|-------------|------------------|-------------|---------|-------------|-----------|
| 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-G15                                                           | BOS-G20     | BOS-G25 | BOS-G30     | BOS-G35     | BOS-G40          | BOS-G45     | BOS-G50 | BOS-G55     | BOS-G60   |
| Battery Module Qty In Series ( Optional )        | 3                                                                 | 4           | 5       | 6           | 7           | 8                | 9           | 10      | 11          | 12        |
| System Nominal Voltage ( V )                     | 153.6                                                             | 204.8       | 256     | 307.2       | 358.4       | 409.6            | 460.8       | 512     | 563.2       | 614.4     |
| System Operating Voltage ( V )                   | 124.8~175.2                                                       | 166.4~233.6 | 208~292 | 249.6~350.4 | 291.2~408.8 | 332.8~467.2      | 374.4~525.6 | 416~584 | 457.6~642.4 | 499.2~700 |
| System Energy ( kWh )                            | 15.36                                                             | 20.48       | 25.6    | 30.72       | 35.84       | 40.96            | 46.08       | 51.2    | 56.32       | 61.44     |
| System Usable Energy ( kWh )                     | 15.36                                                             | 20.48       | 25.6    | 30.72       | 35.84       | 40.96            | 46.08       | 51.2    | 56.32       | 61.44     |
| Rated DC Power                                   | 15.36                                                             | 20.48       | 25.6    | 30.72       | 35.84       | 40.96            | 46.08       | 51.2    | 56.32       | 61.44     |
| Charge / Discharge <sup>2</sup><br>Current ( A ) | Recommend                                                         |             |         |             |             |                  |             |         |             |           |
|                                                  | Nominal                                                           |             |         |             |             |                  |             |         |             |           |
|                                                  | Peak Discharge ( 2 mins, 25°C )                                   |             |         |             |             |                  |             |         |             |           |
| Working Temperature ( °C )                       | 50                                                                |             |         |             |             |                  |             |         |             |           |
| Status Indicator                                 | 100                                                               |             |         |             |             |                  |             |         |             |           |
| Communication Port                               | 125                                                               |             |         |             |             |                  |             |         |             |           |
| Humidity                                         | Charge : 0 ~ 55 / Discharge : -20~55                              |             |         |             |             |                  |             |         |             |           |
| Altitude                                         | Yellow : Battery High Voltage Power On Red : Battery System Alarm |             |         |             |             |                  |             |         |             |           |
| IP Rating of Enclosure                           | CAN2.0 / RS485                                                    |             |         |             |             |                  |             |         |             |           |
| Dimension ( W × D × H, mm )                      | 5% ~ 85%RH                                                        |             |         |             |             |                  |             |         |             |           |
| Weight Approximate ( kg )                        | ≤2000m                                                            |             |         |             |             |                  |             |         |             |           |
| Installation Location                            | IP20                                                              |             |         |             |             |                  |             |         |             |           |
| Storage Temperature ( °C )                       | 530 × 602 × 1629                                                  |             |         |             |             | 530 × 602 × 2219 |             |         |             |           |
| Recommend Depth of Discharge                     | 195                                                               | 240         | 285     | 330         | 375         | 420              | 475         | 520     | 565         | 610       |
| Cycle Life                                       | Rack Mounting                                                     |             |         |             |             |                  |             |         |             |           |
| Warranty <sup>3</sup>                            | 0 ~ 35                                                            |             |         |             |             |                  |             |         |             |           |
| Certificatio                                     | 100%                                                              |             |         |             |             |                  |             |         |             |           |
|                                                  | 25±2°C, 0.5C/0.5C, EOL70%≥6000                                    |             |         |             |             |                  |             |         |             |           |
|                                                  | 10 years                                                          |             |         |             |             |                  |             |         |             |           |
|                                                  | CE / IEC62619 / VDE2510-50 / UL1973 / UL9540A / UN38.3            |             |         |             |             |                  |             |         |             |           |

1. DC Usable Energy, test conditions : 100% DOD, 0.2C 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.

| Model | BOS-G |
|-------|-------|
|-------|-------|

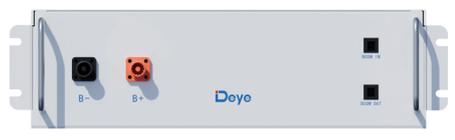
|                   |                                                                                      |
|-------------------|--------------------------------------------------------------------------------------|
| HVB750V / 100A-EU | High Voltage Battery cluster control box conforming to European or British Standards |
|-------------------|--------------------------------------------------------------------------------------|

|                                    |                   |
|------------------------------------|-------------------|
| Operating Voltage                  | 120 ~ 750Vdc      |
| Nominal Charge / Discharge Current | 100A              |
| Max.Charge / Discharge Current     | 125A              |
| DC Input Rating                    | 12±2%/4.15A       |
| Operating Temperature Range        | -20 ~ 65°C        |
| Ingress Protection                 | IP20              |
| Dimension ( W × D × H )            | 440 × 570 × 150mm |
| Weight Approximate                 | 19kg              |



|           |                         |
|-----------|-------------------------|
| BOS-GM5.1 | 5.12 kwh battery module |
|-----------|-------------------------|

|                                    |                             |
|------------------------------------|-----------------------------|
| Battery Type                       | LiFePO <sub>4</sub> ( LFP ) |
| Nominal Voltage                    | 51.2Vdc                     |
| Rated Capacity                     | 100Ah                       |
| Rated Energy                       | 5.12kWh                     |
| Nominal Charge / Discharge Current | 100A                        |
| Peak.Discharge Current             | 125A                        |
| Charge Temperature                 | 0 ~ 55°C                    |
| Discharge Temperature              | -20°C ~ 55°C                |
| Storage Temperature                | 0°C ~ 35°C                  |
| Ingress Protection                 | IP20                        |
| Dimension ( W × D × H )            | 440 × 570 × 133mm           |
| Weight Approximate                 | 45kg                        |



Battery module Standard configuration:  
 ① 110mm communication cable  
 ② 200mm power cable

| Model | BOS-G |
|-------|-------|
|-------|-------|

|                         |                                                                                 |
|-------------------------|---------------------------------------------------------------------------------|
| EPCable5.0 ( Optional ) | Standard 5-meter power cable connected to the positive pole of the external PCS |
|-------------------------|---------------------------------------------------------------------------------|



|                         |                                                                                 |
|-------------------------|---------------------------------------------------------------------------------|
| ENCable5.0 ( Optional ) | Standard 5-meter power cable connected to the negative pole of the external PCS |
|-------------------------|---------------------------------------------------------------------------------|



|                                   |                                                                 |
|-----------------------------------|-----------------------------------------------------------------|
| <b>EPWR Cable5.0 ( Optional )</b> | Standard 5-meter cable connected to external 12VDC power supply |
|-----------------------------------|-----------------------------------------------------------------|



|                                   |                                                                       |
|-----------------------------------|-----------------------------------------------------------------------|
| <b>ECOM Cable5.0 ( Optional )</b> | Standard 5-meter communication cable connected to the external device |
|-----------------------------------|-----------------------------------------------------------------------|



|                              |                                                                                                      |
|------------------------------|------------------------------------------------------------------------------------------------------|
| <b>3U-HRACK ( Optional )</b> | Standard 19inch rack, caninstall 12 pcs batteries and 1 pcs High Voltage Battery cluster control box |
|------------------------------|------------------------------------------------------------------------------------------------------|

|                                               |                            |
|-----------------------------------------------|----------------------------|
| Dimension ( W × D × H )<br>Weight Approximate | 530 × 602 × 2219mm<br>51kg |
|-----------------------------------------------|----------------------------|



HRACK(SKU:10100401000078)  
Can be installed with an optional door.

|                              |                                                                                                     |
|------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>3U-LRACK ( Optional )</b> | Standard 19inch rack, caninstall 8 pcs batteries and 1 pcs High Voltage Battery cluster control box |
|------------------------------|-----------------------------------------------------------------------------------------------------|

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Dimension ( W × D × H )<br>Weight Approximate | 530× 602× 1629mm<br>41kg |
|-----------------------------------------------|--------------------------|



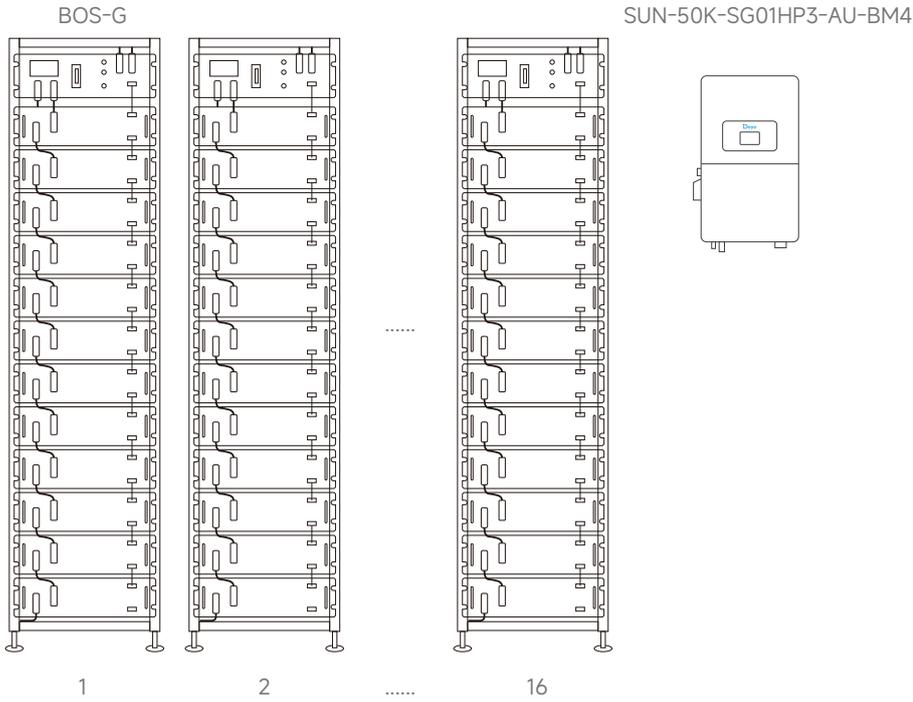
LRACK(SKU:10100401000079)  
Can be installed with an optional door.

## Product Expansion

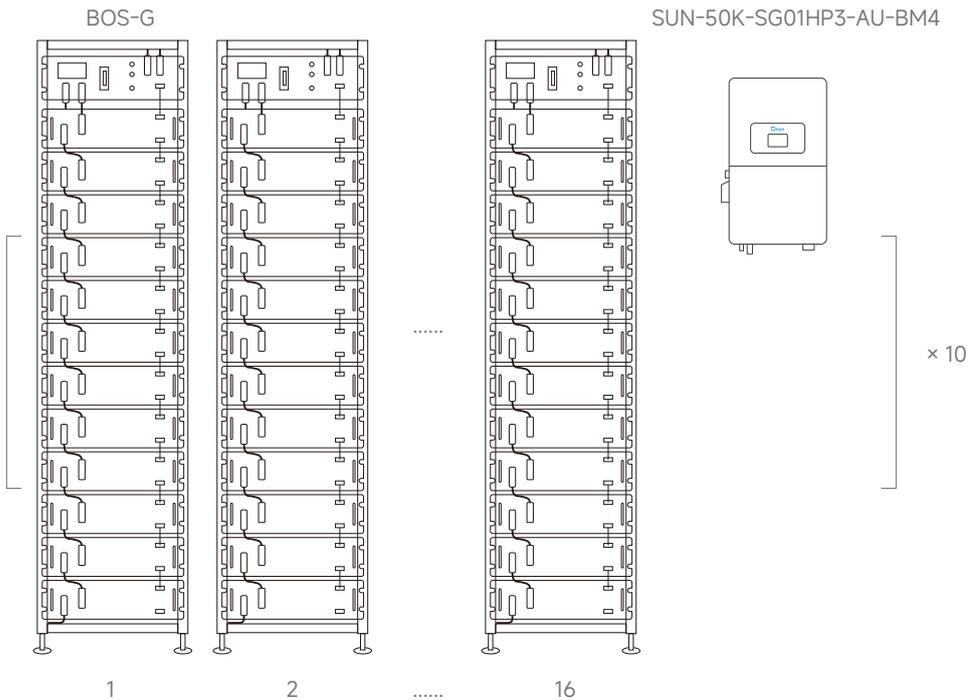
### Battery backup time

### BOS-G

| Inverter               | 1h       | 2h           | 3h           | 4h           |
|------------------------|----------|--------------|--------------|--------------|
| SUN-30K-SG01HP3-AU-BM3 | 6 units  | 12 units     | 9 units × 2  | 12 units × 2 |
| SUN-50K-SG01HP3-AU-BM4 | 10 units | 10 units × 2 | 10 units × 3 | 10 units × 4 |



Maximum support for 16 racks of batteries in parallel



Maximum support for 10 inverters in AC parallel operation

# Deye Cloud

## All-in-one Energy & Device Management Platform

-  Unlock Significant Savings
-  Individual Add-On for Dynamic Tariff
-  Intelligent Charging/Discharging Strategies
-  Tailored Solution to Deye Devices
-  Real-time Equipment Monitoring



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Download Deye Cloud APP to join us!

Embrace a seamless, effortless energy experience that's both eco-friendly and budget-friendly with our intelligent assistant



### All in One

Smarter home energy and device management



### Cloud-edge Collaboration

Faster and more efficient data processing



### Accelerated Connectivity

Optimized for speed and performance



### Advanced Smart Energy

A smarter way to manage your electricity bills



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