



Small-Scale C&I Energy Storage Solution

SUN-50K-SG01HP3-EU-BM4 / SUN-80K-SG02HP3-EU-EM6

SUN-100K-PCSL01HP3

BOS-A

SUN-50K-SG01HP3-EU-BM4 / SUN-80K-SG02HP3-EU-EM6

Practicality & Universal Compatibility

- 100% unbalanced output
- AC couple to retrofit existing solar system
- Dual Independent battery circuit

Versatile & High-Performance

- TOU function, Six time periods for battery charging/discharging
- Diesel generator-ready, VSG application

Reliability & Scalability

- Max. 10 pcs parallel for on-grid and off-grid operation
- Seamless switching between on-grid and off-grid modes in less than 10ms

BOS-A

Intelligent Control

- Over-discharge/charge/current and temp protection

10-Year Warranty

- Safest LFP battery & Intelligent BMS

Superior Output

- Support up to 160A current output

3U Rack Design

- Connectable to two inverter DC interfaces

Flexible Expansion

- Support 7-21 packs in series
- Inverter 50-100kW, Battery 54-161kWh

Battery Protection

- Auto-managed charge/discharge & Cell voltage balancing

Small-Scale C&I Energy Storage Solution

| Model | SUN-50K-SG01HP3-EU-BM4 | | |
|--|--|----------|--------------|
| Battery Input Data | | | |
| Battery Type | Lithium-ion | | |
| Battery Voltage Range (V) | 160-800 | | |
| Max. Charging Current (A) | 50+50 | | |
| Max. Discharging Current (A) | 50+50 | | |
| Charging Strategy for Li-ion Battery | Self-adaption to BMS | | |
| Number of Battery Input | 2 | | |
| PV String Input Data | | | |
| Max. PV Access Power (W) | 100000 | | |
| Max. PV Input Power (W) | 80000 | | |
| Max. PV Input Voltage (V) | 1000 | | |
| Start-up Voltage (V) | 180 | | |
| MPPT Voltage Range (V) | 150-850 | | |
| Rated PV Input Voltage (V) | 600 | | |
| Max. Operating PV Input Current (A) | 36+36+36+36 | | |
| Max. Input Short-Circuit Current (A) | 55+55+55+55 | | |
| No. of MPP Trackers/ No. of Strings MPP Tracker | 4/2+2+2+2 | | |
| AC Input/Output Data | | | |
| Rated AC Input/Output Active Power(W) | 50000 | | |
| Max. AC Input/Output Apparent Power(VA) | 55000 | | |
| Rated AC Input/Output Current (A) | 75.8/72.5 | | |
| Max. AC Input/Output Current (A) | 83.4/79.8 | | |
| Max. Continuous AC Passthrough (grid to load) (A) | 200 | | |
| Peak Power (off-grid) (W) | 1.5 times of rated power, 10s | | |
| Power Factor Adjustment Range | 0.8 leading to 0.8 lagging | | |
| Rated Input/Output Voltage/Range (V) | 220/380V, | 230/400V | 0.85Un-1.1Un |
| Rated Input/Output Grid Frequency/Range(Hz) | 50/45-55 60/55-65 | | |
| Grid Connection Form | 3L+N+PE | | |
| Total Current Harmonic Distortion THDi | <3% (of nominal power) | | |
| DC Injection Current | <0.5% In | | |
| Efficiency | | | |
| Max. Efficiency | 97.60% | | |
| Euro Efficiency | 97.0% | | |
| MPPT Efficiency | >99% | | |
| Equipment Protection | | | |
| Integrated | DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Component Monitoring, Overvoltage Load Drop Protection, Ground Fault Current Monitoring, Arc Fault Circuit Interrupter (optional), Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC Input Switch, DC Terminal Insulation Impedance Monitoring, Residual Current (RCD) Detection, Surge protection level | | |
| Surge Protection Level | TYPE II(DC), TYPE II(AC) | | |
| Interface | | | |
| Communication Interface | RS485/RS232/CAN | | |
| Monitor Mode | GPRS/WIFI/Bluetooth/4G/LAN(optional) | | |
| General Data | | | |
| Operating Temperature Range(°C) | -40 to +60°C, >45°C Derating | | |
| Permissible Ambient Humidity | 0-100% | | |
| Permissible Altitude | 2000m | | |
| Noise (dB) | ≤65 | | |
| Ingress Protection (IP) Rating | IP 65 | | |
| Inverter Topology | Non-Isolated | | |
| Over Voltage Category | OVC II(DC), OVC III(AC) | | |
| Cabinet Size (WxHxD mm) | 527×894×294 (Excluding Connectors and Brackets) | | |
| Weight (kg) | 80 | | |
| Type of Cooling | Intelligent Air Cooling | | |
| Warranty | 5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy | | |
| Grid Regulation | IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105 | | |
| Safety / EMC Standard | IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 | | |

Small-Scale C&I Energy Storage Solution

| Model | SUN-60K-SG02HP3 -EU-EM6 | SUN-70K-SG02HP3 -EU-EM6 | SUN-75K-SG02HP3 -EU-EM6 | SUN-80K-SG02HP3 -EU-EM6 |
|--|--|----------------------------|----------------------------|----------------------------|
| Battery Input Data | | | | |
| Battery Type | Lithium-ion | | | |
| Battery Voltage Range (V) | 160-1000 | | | |
| Max. Charging Current (A) | 80+80 | | | |
| Max. Discharging Current (A) | 80+80 | | | |
| Charging Strategy for Li-ion Battery | Self-adaption to BMS | | | |
| Number of Battery Input | 2 | | | |
| PV String Input Data | | | | |
| Max. PV Access Power (W) | 120000 | 140000 | 150000 | 160000 |
| Max. PV Input Power (W) | 96000 | 112000 | 120000 | 128000 |
| Max. PV Input Voltage (V) | 1000 | | | |
| Start-up Voltage (V) | 180 | | | |
| MPPT Voltage Range (V) | 150-850 | | | |
| Rated PV Input Voltage (V) | 650 | | | |
| Max. Operating PV Input Current (A) | 36+36+36+36+36+36 | | | |
| Max. Input Short-Circuit Current (A) | 54+54+54+54+54+54 | | | |
| No. of MPP Trackers/ No. of Strings MPP Tracker | 6/2+2+2+2+2+2 | | | |
| AC Input/Output Data | | | | |
| Rated AC Input/Output Active Power(W) | 60000 | 70000 | 75000 | 80000 |
| Max. AC Input/Output Apparent Power(VA) | 66000 | 77000 | 82500 | 88000 |
| Rated AC Input/Output Current (A) | 91/87 | 106.1/101.5 | 113.7/108.7 | 121.3/115.9 |
| Max. AC Input/Output Current (A) | 100/95.7 | 116.7/111.6 | 125/119.6 | 133.4/127.6 |
| Max. Continuous AC Passthrough (grid to load) (A) | 200 | | | |
| Peak Power (off-grid) (W) | 1.5 times of rated power, 10s | | | |
| Power Factor Adjustment Range | 0.8 leading to 0.8 lagging | | | |
| Rated Input/Output Voltage/Range (V) | 220/380V, 230/400V 0.85Un-1.1Un | | | |
| Rated Input/Output Grid Frequency/Range(Hz) | 50/45-55 60/55-65 | | | |
| Grid Connection Form | 3L+N+PE | | | |
| Total Current Harmonic Distortion THDi | <3% (of nominal power) | | | |
| DC Injection Current | <0.5% In | | | |
| Efficiency | | | | |
| Max. Efficiency | 98.70% | | | |
| Euro Efficiency | 98.10% | | | |
| MPPT Efficiency | >99% | | | |
| Equipment Protection | | | | |
| Integrated | DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Component Monitoring, Overvoltage Load Drop Protection, Ground Fault Current Monitoring, Arc Fault Circuit Interrupter (optional), Power Network Monitoring, Island Protection Monitoring, Earth Fault Detection, DC Input Switch, DC Terminal Insulation Impedance Monitoring, Residual Current (RCD) Detection, Surge protection level | | | |
| Surge Protection Level | TYPE II(DC), TYPE II(AC) | | | |
| Interface | | | | |
| Communication Interface | RS485/RS232/CAN | | | |
| Monitor Mode | GPRS/WIFI/Bluetooth/4G/LAN(optional) | | | |
| General Data | | | | |
| Operating Temperature Range(°C) | -40 to +60°C, >45 °C Derating | | | |
| Permissible Ambient Humidity | 0-100% | | | |
| Permissible Altitude | 3000m | | | |
| Noise (dB) | ≤65 | | | |
| Ingress Protection (IP) Rating | IP 65 | | | |
| Inverter Topology | Non-Isolated | | | |
| Over Voltage Category | OVC II(DC), OVC III(AC) | | | |
| Cabinet Size (WxHxD mm) | 606×927×314 (Excluding Connectors and Brackets) | | | |
| Weight (kg) | 105 | | | |
| Type of Cooling | Intelligent Air Cooling | | | |
| Warranty | 5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy | | | |
| Grid Regulation | IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105 | | | |
| Safety / EMC Standard | IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2 | | | |

Small-Scale C&I Energy Storage Solution

MPPT Module

SUN-MPPT-L01-EU-AM8

PV String Input Data

| | |
|--------------------------------------|-------------------------|
| Max. PV Input Power (kW) | 200 |
| Max. PV Input Voltage (V) | 1000 |
| Start-up Voltage (V) | 200 |
| MPPT Voltage Range (V) | 180-850 |
| Full Load MPPT Voltage Range (V) | 450-850 |
| Rated PV Input Voltage (V) | 600 |
| Max. Operating PV Input Current (A) | 40+40+40+40+40+40+40+40 |
| Max. Input Short-Circuit Current (A) | 60+60+60+60+60+60+60+60 |
| No. of MPP Trackers | 8 |

Efficiency

| | |
|-----------------|--------|
| Max. Efficiency | >99% |
| MPPT Efficiency | >99.9% |

Equipment Protection

| | |
|---|----------|
| DC input reverse protection | YES |
| DC ARC protection | Optional |
| Anti-PID(Potential Induced Degradation) | Optional |
| DC Switch | YES |
| Surge Protection Level | TYPE II |

General Data

| | |
|-------------------------------|-------------------------|
| Ingress Protection(IP) Rating | IP65 |
| Over Voltage Category | OVC II |
| Cabinet Size[W×H×D] (mm) | 543x198x700 |
| Weight (kg) | 41.75 |
| Type Of Cooling | Intelligent air cooling |
| Safety EMC/Standard | IEC/EN 62109-1 |

DC Output Data

| | |
|----------------------------|----------|
| DC Output Voltage Range(V) | 630-1000 |
| Max. DC Output Current(A) | 200 |

STS Module

SUN-ST500L

Grid/PCS Side Data

| | |
|---|--------------------------------|
| Rated AC Input/Output Active Power (kW) | 500 |
| Rated AC Input/Output Current (A) | 758/725 |
| Rated Input/Output Voltage(V) | 220/380, 230/400 (three phase) |
| Grid Connection Form | 3L/N/PE |
| Rated Input/Output Grid Frequency | 50Hz/60Hz |

Load Side Data

| | |
|--------------------------------|--------------------------------|
| Rated Output Active Power (kW) | 500 |
| Rated Output Current (A) | 758/725 |
| Rated Output Voltage(V) | 220/380, 230/400 (three phase) |
| Grid Connection Form | 3L/N/PE |
| Rated Output Grid Frequency | 50Hz/60Hz |

GEN Side Data

| | |
|----------------------------------|--------------------------------|
| Rated AC Input Active Power (kW) | 500 |
| Rated AC Input Current (A) | 758/725 |
| Rated Input Voltage(V) | 220/380, 230/400 (three phase) |
| Grid Connection Form | 3L/N/PE |
| Rated Input Grid Frequency | 50Hz/60Hz |

General Data

| | |
|-------------------------------|---------|
| Off grid switching time | <20ms |
| Ingress Protection(IP) Rating | IP20 |
| Over Voltage category | OVC III |

Small-Scale C&I Energy Storage Solution

| | |
|--------------------------|-------------------|
| Cabinet Size[W×H×D] (mm) | 543x575x671 |
| Weight (kg) | 108 |
| Type Of Cooling | Natural Cooling |
| Safety EMC/Standard | IEC/EN 61439-1/-2 |

| PCS Model | SUN-100K-PCS01HP3 | SUN-125K-PCS01HP3 |
|-----------|-------------------|-------------------|
|-----------|-------------------|-------------------|

Battery Data

| | | |
|--------------------------------------|----------------------|-----|
| Battery Type | Lithium-ion | |
| Battery Voltage Range (V) | 630-1000 | |
| Max. Charging Current (A) | 175 | 200 |
| Max. Discharging Current (A) | 175 | 200 |
| Charging Strategy for Li-ion Battery | Self-adaption to BMS | |
| Number of Battery Input | 1 | |

DC Input Data

| | | |
|---------------------------|----------|----------|
| DC Input Voltage Range(V) | 630-1000 | 630-1000 |
| Max. DC Input Current(A) | 200 | 200 |

AC Input/Output Data

| | | |
|---|-------------------------------|-------------|
| Rated AC Input/Output Active Power (kW) | 100 | 125 |
| Max. AC Input/Output Apparent Power (kVA) | 110 | 125 |
| Rated AC Input/Output Current (A) | 151.6/145 | 189.4/181.2 |
| Max. AC Input/Output Current (A) | 166.7/159.5 | 189.4/181.2 |
| Rated Input/Output Voltage/Range(V) | 220/380, 230/400 0.85Un-1.1Un | |
| Grid Connection Form | 3L+N+PE | |
| Rated Input/Output Grid Frequency/Range | 50Hz/45Hz-55Hz 60Hz/55Hz-65Hz | |
| Power Factor Adjustment Range | -1~1 | |
| Total Current Harmonic Distortion THDi | <3% (of nominal power) | |
| DC Injection Current | <0.5% In | |

Efficiency

| | |
|-----------------|-------|
| Max. Efficiency | 98.5% |
| Euro Efficiency | 97.8% |
| MPPT Efficiency | >99% |

Equipment Protection

| | |
|------------------------|---|
| Integrated | AC Output Overcurrent Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, Thermal Protection, Anti-islanding Protection, Insulation Impedance Detection, Residual Current Detection |
| Surge Protection Level | TYPE II(DC), TYPE II(AC) |

Interface

| | |
|-------------------------|-------------------------|
| LCD/LED display | LCD |
| Communication Interface | WIFI, RS485, CAN, Meter |

General Data

| | |
|---------------------------------|----------------------------|
| Operating Temperature Range(°C) | -40°C-60°C, >45°C Derating |
| Permissible Ambient Humidity | 0-95% |
| Permissible Altitude | 4000m |
| Noise | <75dB |
| Ingress Protection(IP) Rating | IP 65(PCS Module) |
| Cabinet Size[W×H×D] (mm) | 543x310x775 |
| Weight (kg) | 70.35 |
| Inverter Topology | Non-Isolated |
| Over Voltage Category | OVC II(DC), OVC III(AC) |
| Type of Cooling | Intelligent Air Cooling |

| | |
|---------------------|---|
| Warranty | 5 Years/10 Years the Warranty Period Depends the Final Installation Site of Inverter, More Info Please Refer to Warranty Policy |
| Grid Regulation | IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105 |
| Safety/EMC Standard | IEC/EN 62477-1 |

Small-Scale C&I Energy Storage Solution



Model

BOS-A

Main Parameters

| | | | |
|---|---|------------------|--------------------------|
| 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) | 7 | 13 | 21 |
| System Nominal Voltage (V) | 268.8 | 499.2 | 806.4 |
| System Operating Voltage (V) | 235.2 ~ 306.6 | 436.8 ~ 569.4 | 705.6 ~ 919.8 |
| System Energy (kWh) | 53.76 | 99.84 | 161.28 |
| System Usable Energy (kWh) ¹ | 48.38 | 89.85 | 145.15 |
| Charge / Discharge ² Current (A) | Recommend | | 100 |
| | Max | | 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 × 610 × 1900) × 2 |
| Weight Approximate (kg) | 558 | 985 | 1586 |
| 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 | CE / IEC 62619 / IEC 62040 / UN38.3 / VDE-2510 | | |

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.

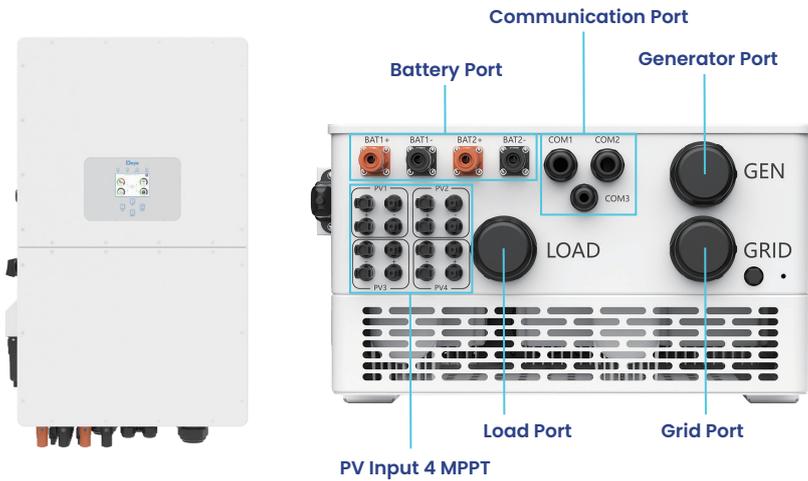
2. The current is affected by temperature and SOC.

3. The warranty is due whichever reached first of warranty period or life cycle power.

Small-Scale C&I Energy Storage Solution

Model

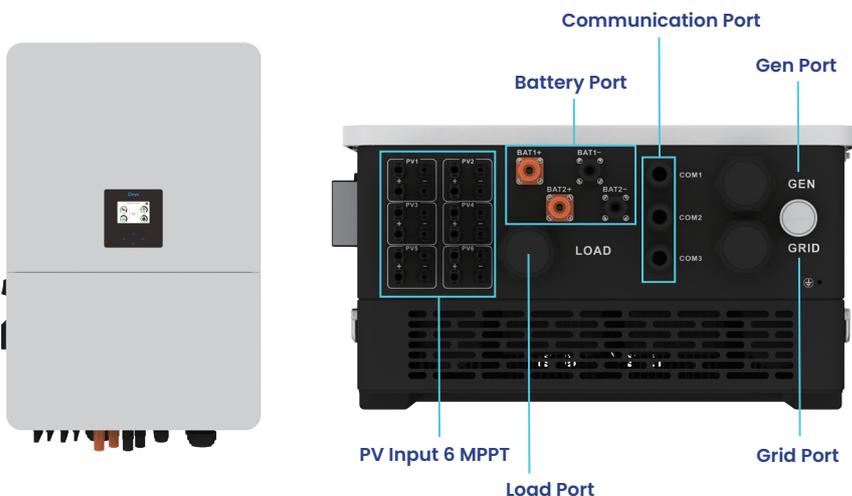
SUN-50K-SG01HP3-EU-BM4



- ⊙ Battery Port: Dual independent battery circuit port, supporting multiple brand battery connection and battery voltage range 160-800V.
- ⊙ Communication Port: Serve as communicate with battery and data exchange between inverter and extra devices.
- ⊙ Load Port: Offer AC power to connected loads.
- ⊙ Grid Port: Connect to utility grid, for bidirectional power transfer: importing from and exporting to the grid.
- ⊙ Generator Port: Connect to diesel generator for backup power supply during outages, also can connect with existing solar inverter for AC Coupling.
- ⊙ PV Input: Connect to PV panels with 4 MPPTs.

Model

SUN-80K-SG02HP3-EU-EM6

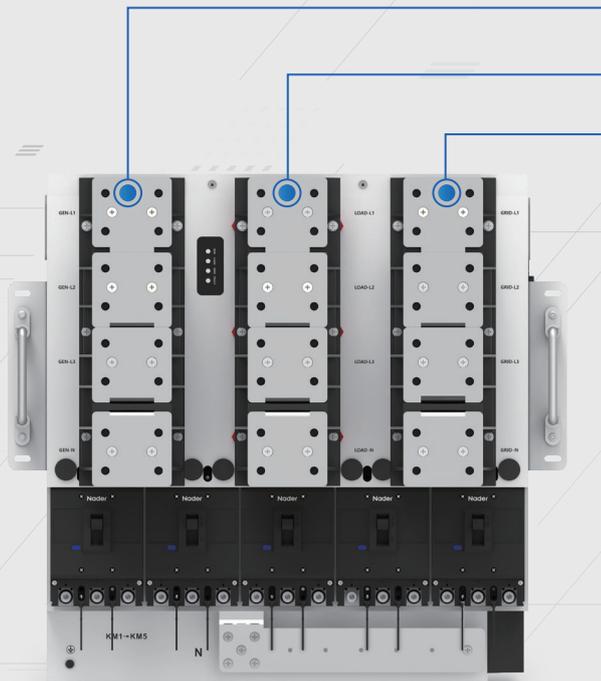


- ⊙ Battery Port: Dual independent battery circuit port, supporting multiple brand battery connection and battery voltage range 160-1000V.
- ⊙ Communication Port: Serve as communicate with battery and data exchange between inverter and extra devices.
- ⊙ Load Port: Offer AC power to connected loads.
- ⊙ Grid Port: Connect to utility grid, for bidirectional power transfer: importing from and exporting to the grid.
- ⊙ Generator Port: Connect to diesel generator for backup power supply during outages, also can connect with existing solar inverter for AC Coupling.
- ⊙ PV Input: Connect to PV panels with 6 MPPTs.

Small-Scale C&I Energy Storage Solution

STS Module

Smoothly switch between on-grid, off-grid, and diesel generator modes with a switching time of less than 20ms. Each diesel, load, and grid connection is independent, with each path supporting 500kW. One STS module can connect to five 100kW PCS modules or four 125kW PCS modules.



GEN Port

Load Port

Grid Port

STS Module (500kW)

- ⊙ Switching capacity of **500kW**.
- ⊙ Enables smooth switching between on-grid, off-grid, and diesel generator modes.
- ⊙ Switching time of less than **20ms**.



PCS Connection Point

STS AC Parallel Port

MPPT Module & PCS Module

MPPT Module (8 MPPT Trackers)

- ⊙ Maximum 200kWp PV module connection with 8 MPPT channels, **40A** per MPPT.

PCS Module (100kW/125kW)

- ⊙ **175A/200A** charge and discharge current.
- ⊙ Maximum efficiency of **98.5%**.
- ⊙ System rated power up to **2.5MW**.
- ⊙ Supports instantaneous peak power up to 170% of rated power.
- ⊙ Integrates zero-export and time-of-use control functions.
- ⊙ Eliminating the need for additional EMS.

PV Input
8 MPPT

CAN/RS485



DC Port



Battery Port

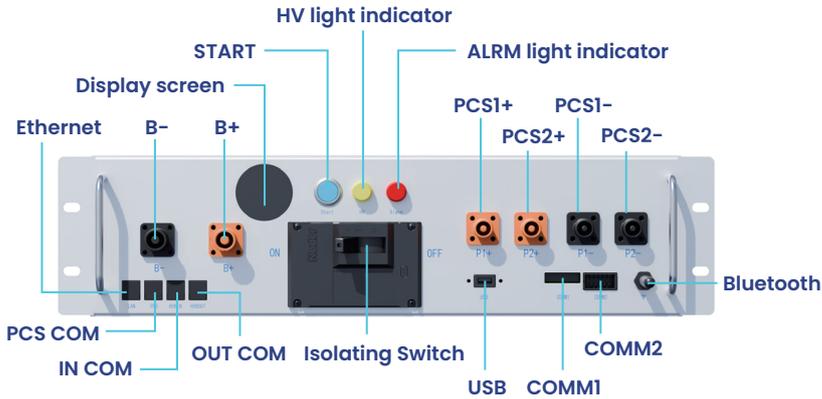
CT/Meter/BMS/
MPPT/Parallel

Data Logger

AC Output

Small-Scale C&I Energy Storage Solution

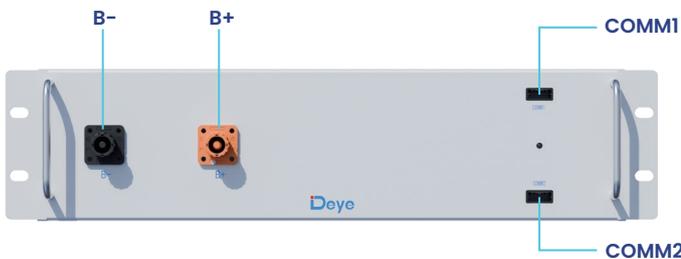
| Model | BOS-A-PDU-2 |
|------------------------------|---------------------------|
| Operating Voltage | 200~1000Vdc |
| Max.Charge/Discharge Current | 160A |
| Operating Temperature | -20~65°C |
| Ingress Protection | IP20 |
| DC Input Rating | 12±2%V/4.15A |
| Details | 632×572×142.2(W×H×D),21kg |



- ⊙ Ethernet:Features not yet developed.
- ⊙ PCS COM:PCS COM battery communication terminal: used to output battery information to the inverter.
- ⊙ IN COM:Connection position with previous BOS-A-PDU-4 communication input.
- ⊙ OUT COM:Connection position with next BOS-A-PDU-4 communication output.

- ⊙ Isolating Switch:It is used to manually control the connection between the battery rack and external devices.
- ⊙ USB:BMS upgrade port and storage expansion port.
- ⊙ COMM1:Connection position of external 12VDC power supply.
- ⊙ COMM2:Used for communication and providing power.
- ⊙ Bluetooth:The mobile APP connects to the data acquisition rod of the energy storage system.
- ⊙ B+:Battery common positive connection position (red).
- ⊙ B-:Battery common negative connection position (black).
- ⊙ Display screen:Display SOC and fault codes.
- ⊙ START:A start switch of 12VDC power inside the high-voltage control box.
- ⊙ HV light indicator:High-voltage hazard indicator (yellow).
- ⊙ ALRM light indicator:Battery system fault alarm indicator (red).
- ⊙ PCS1+:First PCS positive connection position (orange).
- ⊙ PCS2+:Second PCS positive terminal connection position (orange).
- ⊙ PCS1-:First PCS negative connection position (black).
- ⊙ PCS2-:Second PCS negative connection position (black).

| Model | BOS-A-Pack7.68 | | |
|----------------------------------|---------------------------|----------------------------------|----------|
| Nominal Capacity | 200Ah | Ingress Protection | IP20 |
| Nominal Energy | 7.68kWh | Operating Temperature(Charge) | 0~55°C |
| Nominal Voltage | 38.4Vdc | Operating Temperature(Discharge) | -20~55°C |
| Nominal Charge/Discharge Current | 160A | Storage Temperature | 0~35°C |
| Details | 632×576×135.2(W×H×D),66kg | | |



- ⊙ B-:Battery module negative pole (black).
- ⊙ B+:Battery module positive pole (orange).
- ⊙ COMM1:Used for communication and providing power.
- ⊙ COMM2:Used for communication and providing power.

Small-Scale C&I Energy Storage Solution

Model

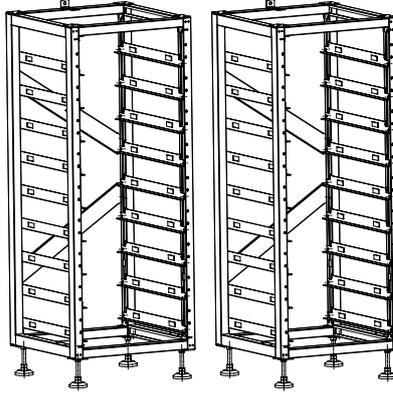
BOS-A

BOS-A-Rack9 *2

Can install 16 pcs batteries and 1 pcs High Voltage Battery cluster control box.

Dimension (W × D × H)
Weight Approximate

1220 × 610 × 1600mm
84kg

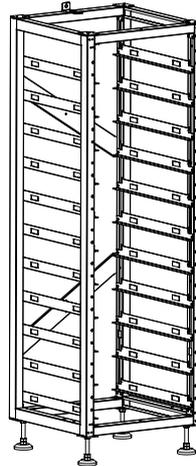


BOS-A-Rack11 BOS-A-Rack11 *2

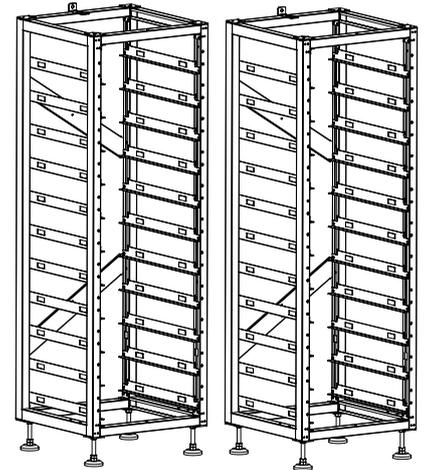
Can install 10 pcs batteries and 1 pcs High Voltage Battery cluster control box.
Can install 21 pcs batteries and 1 pcs High Voltage Battery cluster control box.

Dimension (W × D × H)
Weight Approximate

610 × 610 × 1900mm
47kg



1220 × 610 × 1900mm
94kg

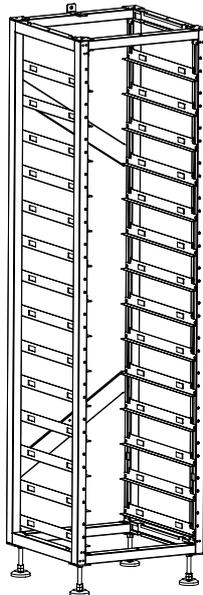


BOS-A-Rack14

Can install 13 pcs batteries and 1 pcs High Voltage Battery cluster control box.

Dimension (W × D × H)
Weight Approximate

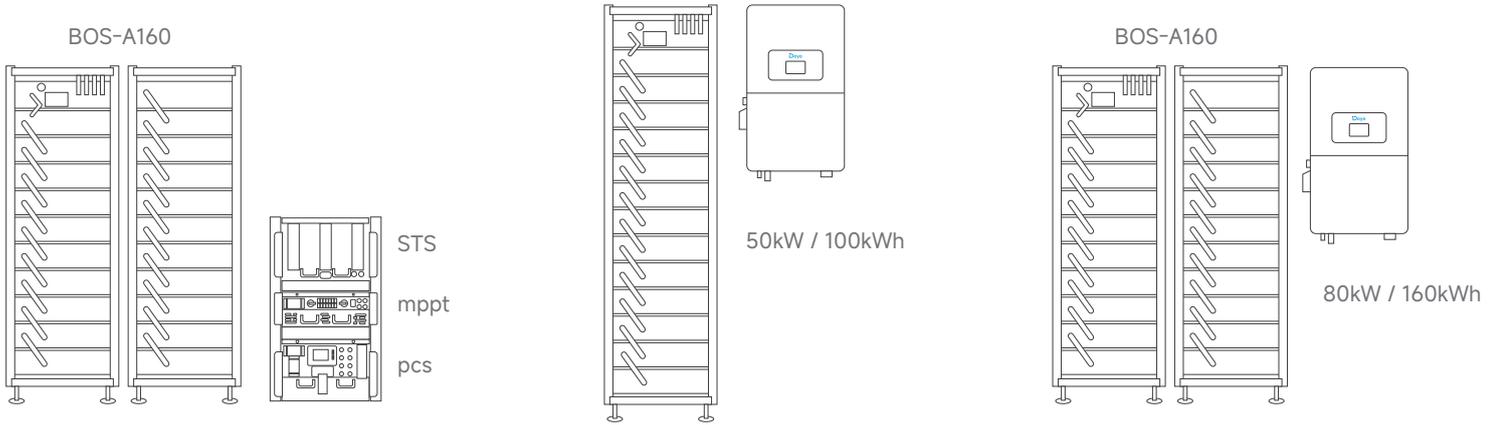
610 × 610 × 2350mm
55kg



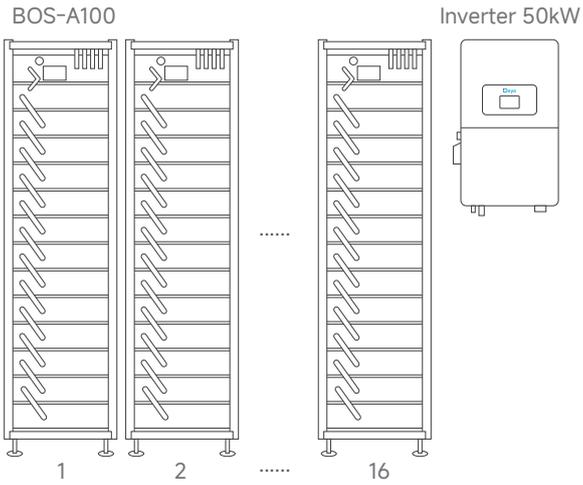
Small-Scale C&I Energy Storage Solution

Backup Power Duration Plan

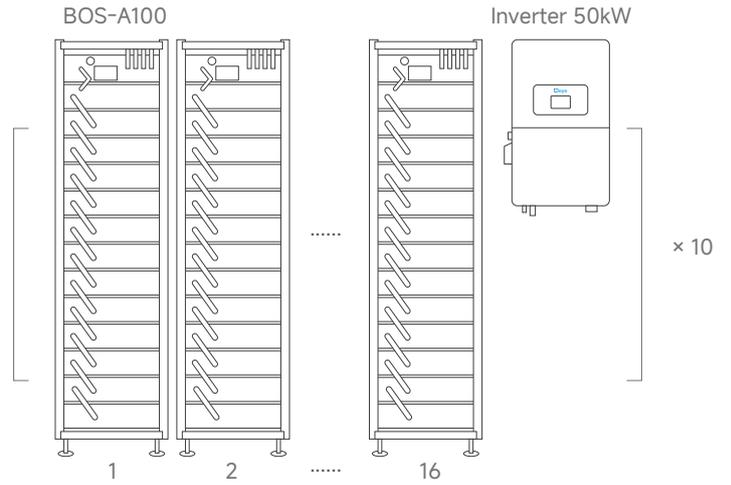
| | 1 hours | | 2 hours | | 4 hours | |
|-----------------------|----------|----------|----------|----------|----------|--|
| Hybrid inverter power | 100kW | 50kW | 80kW | 50kW | 80kW | |
| Battery model | BOS-A160 | BOS-A100 | BOS-A160 | BOS-A100 | BOS-A160 | |
| Number of batteries | 1 pc | 1 pc | 1 pc | 2 pcs | 2 pcs | |



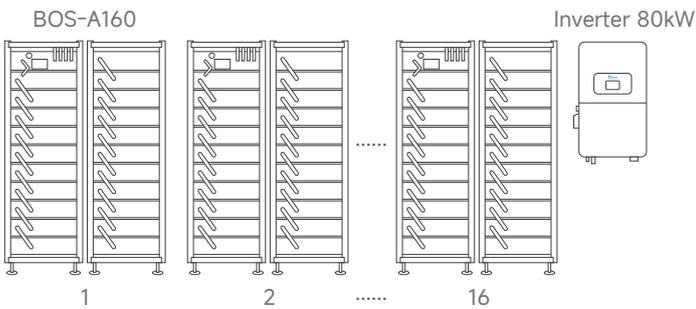
Typical Application Scenarios



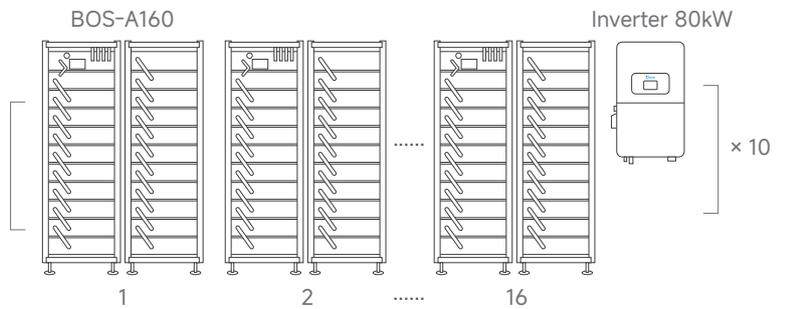
Maximum support for 16 racks of batteries in parallel



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

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
- Best energy scheduling solutions by Deye Copilot
- 24/7 AI Assistant support

Switch flexibly between autonomous and manual control

Support dynamic tariff and flat-rate

AI Assistant

Offer response suggestions and personalized support experience

Support over 30 languages

Analyze dynamic pricing, predict power load and PV generation to optimize energy dispatch and minimize electricity costs

Display energy savings and costs

Deye Copilot ToU

Smarten Up Your Energy Storage System

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



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Faster and more efficient
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Optimized for speed and performance
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AI-powered energy analysis and control
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