

Deye

C&I ESS SOLUTIONS



Outdoor C&I ESS Solutions

MS-G215-2H2/MS-GS215-2H2

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IP54 & C5
Protection rating



1.1x
Overload capacity



Triple
Auxiliary power design



Smart Balancing
Longer battery life



-20°C to 50°C
Operating temp

Outdoor C&I ESS Solutions

MS-G215-2H2/MS-GS215-2H2



Intelligent & Reliable

- Thermal management , battery temp $<35^{\circ}\text{C}$
- Peak - valley mgmt
- Anti - backflow
- Overload protection
- Load tracking
- Demand control
- Phase separation
- Split - phase control



On - grid Scenario



Max. 5 Units for Off - grid Backup Power



Max. 20 Units for Off - grid Power



Max. 20 Units for On - grid Operation



Small-Scale C&I ESS Solution

80K+BOS - A

BOS- A

SUN-65/70/80K-SG02HP3L-EU-EM6



High-Voltage Hybrid Inverter SUN-65/70/80K-SG02HP3-EU

65/70/80kW | 3-Phase | 6 MPPTs



- Wall-mounted Design
- With 4 Handrails
- 97.5kg
- IP65 Protection Degree
- 6 MPPTs 12 Strings
- DC/AC Ratio of 1.6
- Max. 128kW PV Input

Two independent battery DC-DC circuits with two BMS ports which allows the inverter to connect different battery bank

Battery Input Voltage
160-1000V

Max. charging/discharge
efficiency of **98.5%**

PV Input Voltage
180-1000Vdc

Each battery DC-DC channel of
80A in total **160A**
suited to 280Ah battery cell to
lower the system cost

Max PV Input Current
of **18A** Each String

High-Voltage Battery BOS-A

7.68kWh | 200Ah | 38.4V



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High-voltage design
reduces losses and boosts efficiency.

Support **1-4h**
backup power.

LCD display and
indicators show **SOC**
and **fault codes**.

Remote cloud monitoring via
app for **real-time** battery
status.

10 Years Warranty.

Support **7-21** packs
in series.

Rack-mounted design for
clean wiring and easy setup.

Support
charge/discharge
current of **160A**.

C&I PV-BESS-EV-Charging Integrated Solution



MS-DCC180-2



MS-DC420-2

MS-LC430-2H2

MS-LC430-BC-2

4% more efficient than AC coupling,
15% reduction in investment.

High efficiency of up to **90%**, boosting
customer profits by **2%-5%**

Supporting **2h to 8h** energy storage
by adjusting module configurations.

3+3 electrical protection, preventing
fire/explosion in thermal runaway

4% more efficient than AC coupling,
15% reduction in investment.

10-year warranty

C&I PV-BESS-EV-Charging Integrated Solution



Versatile Applications

Micro grids with grid, solar, storage, and diesel, supporting grid-tied, off-grid, and hybrid systems



Max. 10 Cabinets in Parallel
for Off-grid System

Scalable for
Grid-tied System

180kW Ultra-fast
EV Charging

Up to **4** Dual-Gun
Charging Terminals

C&I PV-BESS Solution



MS-MPPT400-2

MS-I430-2H2

MS-I430-BC-2

MC-I430-2H2

MC-I430-BC-2



PCS/BMS/EMS

All-in-one modular design

Supporting **2h to 4h** energy storage
by adjusting module configurations.

3+3 electrical protection, preventing
fire/explosion in thermal runaway

24-h
online O&M

Off-grid operation (Islands,
communication base stations, etc.)

10-year warranty

C&I PV-BESS Solution

Versatile Applications

Microgrids with grid, solar, storage, and diesel, supporting grid-tied, off-grid, and hybrid systems



430kWh Capacity Perfect
for Large C&I Energy Storage

Max. 8 Cabinets in Parallel
for Off-grid System

Scalable for
Grid-tied System

Active Balancing
Function



Utility-Scale ESS Solutions



Air-Cooled Utility-Scale ESS Solution

WS-GS2000-2H3

Customizable to meet project needs, including capacity, discharge duration, and grid compatibility.

WS-GS2000-2H3: 2MWh



Frequency regulation, voltage control,
and **black start** for enhanced grid stability.

Peak shaving,
demand charge management

Smooths solar/wind
output and reduces curtailment

Supports **remote & off-grid**
power supply

Air-Cooled Utility-Scale ESS Solution WS-GS2000-2H3

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1MW PCS output,
1.6 MWp solar input
Energy capacity of **2040kWh**

1.1x continuous overload,
1.5x maximum overload

2-hour fire
resistance

IP54
Protection

Liquid-Cooled Utility-Scale ESS Solutions

WS-L4300-2H2 + WS-PCS2250-2

WS-L4300-2H3: 4.3MWh



WS-PCS2250-2: 2250kW



5 levels of fire protection and multiple electrical safeguards

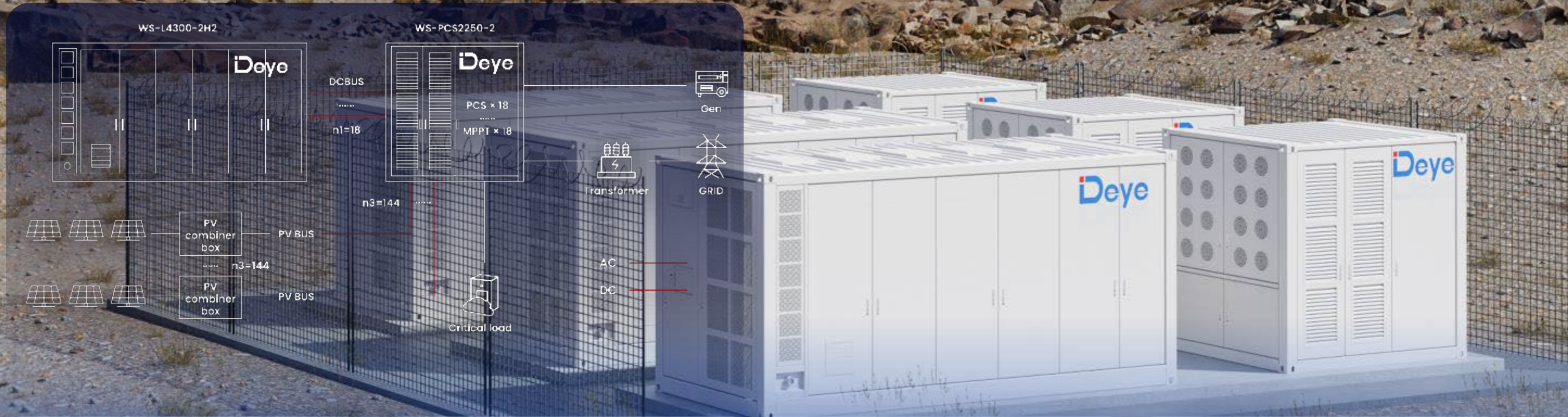
Highly Integrated, BESS, PV DC coupling, EMS, PCS, MPPT All in one container

One-cluster management for optimized system control and better cell performance

Supports **Black start** function, on-grid and off-grid application

Liquid-Cooled Utility-Scale ESS Solution WS-L4300-2H2

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5 Level

Fire Protection

IP55

Protection

3600kW

PV DC Coupling

10 Years

Warranty



POWERING YOUR LIFE

Your Voice Matters!
Complete the Online Survey to Make Us Better

