



# THE ULTIMATE BATTERY SOLUTION



## SkyVolt<sub>MV</sub>

SkyVolt MV battery system is engineered to meet the vast energy demands of industrial and commercial enterprises. As the most powerful model, the system offers unmatched energy storage capacity, ensuring a reliable and continuous supply of power for demanding applications.



Huge energy capacity



Advanced LFP technology



Modularity and scalability



Intelligent temperature control system



10-year warranty

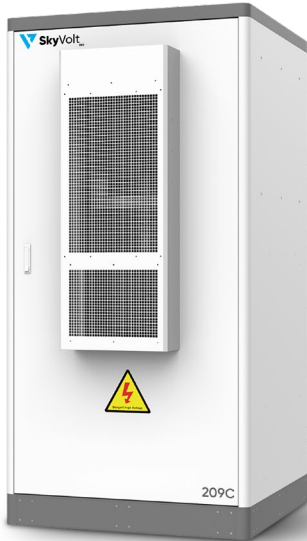


IP55 safety protection

SKYVOLT MV SPECIFICATIONS



209kWh Battery Capacity Per Unit

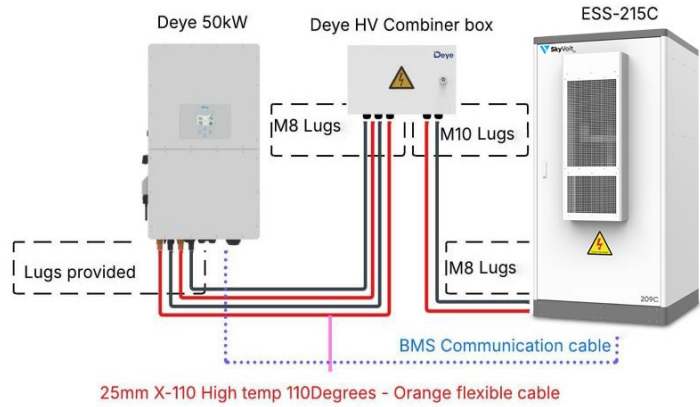


|                                 |  |
|---------------------------------|--|
| Model                           | SBXMV-209  |
| Series and Parallel             | 16S1P*12=208.9S1P  |
| Cooling Method                  | Air-cooling  |
| Rated Capacity                  | 314Ah  |
| Rated Voltage                   | DC665.6V   |
| Voltage Range                   | 611.52V - 786.24V  |
| Operating Voltage Range         | 633.36V - 764.4V   |
| Cell Capacity                   | 208.9kWh   |
| Rated Charge Current            | 157A   |
| Rated Discharge Current         | 157A   |
| Peak Current                    | 200A(25°C, SOC50%, 1min)   |
| Protection Level                | IP55   |
| Firefighting Configuration      | Pack level + Aerosol   |
| Discharge Temp                  | -20°C~55°C   |
| Charge Temp                     | 0°C~55°C   |
| Storage Temp                    | 0°C~35°C   |
| Cycle Life                      | >6000 Cycles (80% DOD @25°C 0.5C)  |
| Dimension (W x D x H)           | 1265 x 1150 x 2300   |
| Weight (With Batteries Approx.) | 2021Kg +/-3%   |
| Operating Temp                  | -20°C~55°C   |
| Communication Protocol          | CAN/RS485 ModBus/TCP/IP/RJ45   |
| Noise Level                     | <65dB  |
| Functions                       | Pre-charge, Over-Voltage/Over-Temperature Protection, Cells Balancing/SOC-SOH Calculation etc. |
| Certifications                  | IEC62619 / IEC62477 / IEC62040 / IEC61000 / CE   |

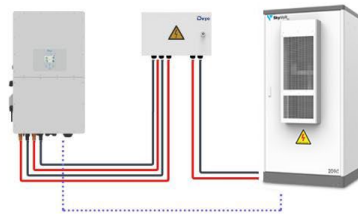
SKYVOLT MV CONFIGURATIONS



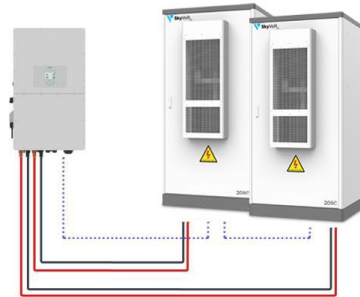
Standard Configuration



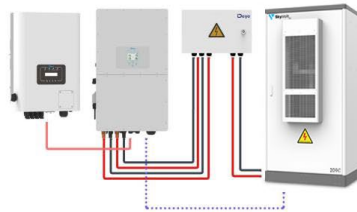
50kW Inverter + 209kWh battery



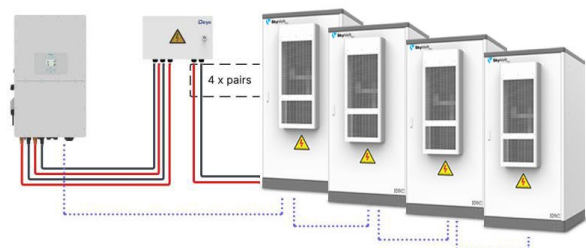
No DC combiner required for 2 x battery in parallel



Up to 50kW String inverter AC coupled to each hybrid inverters GEN port (Works in blackout / offgrid)



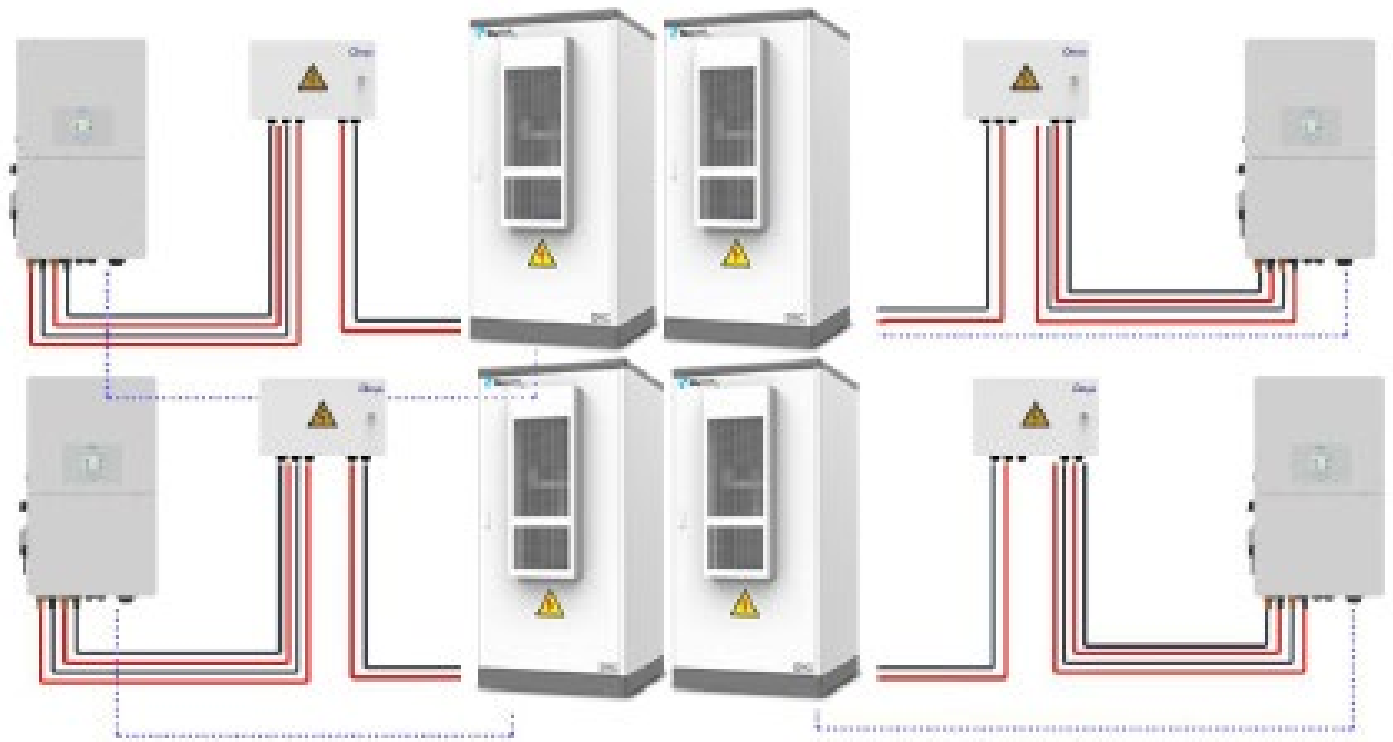
Up to 836kWh storage connected per 50kW inverter



## SKYVOLT MV CONFIGURATIONS



## Large Ongrid/Offgrid Parallel Systems



- Maximum of 10 inverters in parallel
- Maximum of 836kWh storage per inverter
- Maximum Inverter power = 500kW
- Maximum storage = 8.36MW
- Direct AC couple to each hybrid inverter to double output capacity for
  - Ongrid – Offgrid – Blackout
- Inverter combiner board solutions for 3 + inverters parallel connection
- AC output 72.5A per phase
- Maximum 83.3A per phase for unbalanced loads
- Maximum 200A continuous AC passthrough from grid