

ENERGY STORAGE SYSTEM

-IBP SERIES



Versatile AC/DC Configuration

Featuring a modular design, it accommodates AC, DC, and AC/DC coupling solutions to cater to a wide range of requirements.

Enhanced Safety

Utilizing a multi-tier fire protection design, which incorporates cell-level AI-enabled automated monitoring, pack-level passive heat diffusion prevention, and system-level electrical safety cutoff mechanisms.

Multi-Energy Integration

Supporting the integration of solar and wind power, meeting the requirements for transitioning to green base stations.

KEY FEATURES



Compact Design

High energy density within a single cabinet, minimizing space requirements.

Diverse Applications

Ideal for communication base stations, with potential reuse in residential energy storage, commercial areas, TS service areas, and mobile device charging.

Intelligent O&M

Intelligently diagnosing system operating status to enhance fault handling efficiency and reduce manual operation and maintenance costs.

APPLICATION SCENARIOS

4/5G base stations

Wind-solar-battery demands at base stations

OTHER SCENARIOS

Small to medium-sized data centers

Replacement for UPS systems

Park microgrid

Island microgrid

PRODUCT SPECIFICATIONS



IPOWER Series

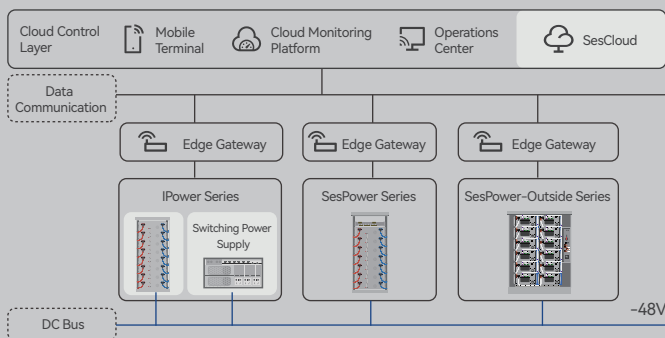
SesPOWER Series

SesPOWER Outside Series

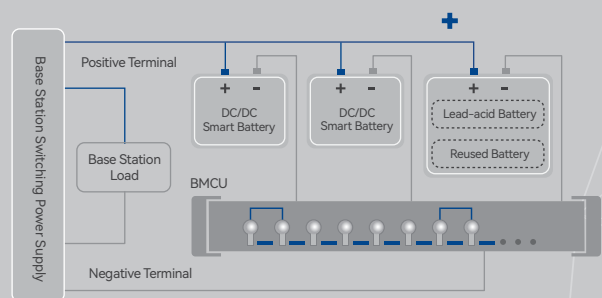
| Model | G48100P30 | G48150P30 | P48100P30 | P48150P30 | P48030 | P48061 | P48030 |
|------------------------------------|-------------------|--------------|-------------------|--------------|--------------------------|---------------|--------------|
| Battery Pack | G48100 | G48150 | P48100 | P48150 | P48100 | P48100 | P48150 |
| Grouping Mode | 16S1P×6 | 16S1P×4 | 16S1P×6 | 16S1P×4 | 16S1P×6 | 16S1P×12 | 16S1P×4 |
| Nominal Voltage | 51.2V | | 51.2V | | 51.2V | | |
| Operating Voltage | 44~58V | | 44~58V | | 44~58V | | |
| Nominal Energy | 5.12×6kWh | 7.68×4kWh | 5.12×6kWh | 7.68×4kWh | 30kWh | 61kWh | 30kWh |
| Rated Charge/Discharge Rate | 0.5C | 0.5C | 0.5C | 0.5C | 0.5C | 0.5C | 0.5C |
| Max. Charge/Discharge Rate | 1C | 0.65C | 1C | 0.65C | 1C | 1C | 1C |
| Charge/Discharge Energy Efficiency | ≥92% | | ≥94% | | ≥92% | | |
| Protection Grade | IP43 | | IP43 | | IP54 | | |
| Thermal Management Technology | Smart air cooling | | Smart air cooling | | Smart air/liquid cooling | | |
| Charging Temp. | 0~55 °C | | 0~55 °C | | 0~55 °C | | |
| Discharging Temp. | -20~55 °C | | -20~55 °C | | -20~55 °C | | |
| Cycle Life | ≥6000 | | ≥6000 | | ≥6000 | | |
| Dimensions(W×D×H)mm | 600×600×2000 | 600×600×1700 | 600×600×1500 | 600×600×1200 | 900×900×1800 | 1800×900×1800 | 900×900×1200 |

ENERGY STORAGE SOLUTION

System Architecture



Hybrid Lead-acid/Lithium-ion Battery Architecture



HANGZHOU CHANGSHA JIANGXI · CHINA

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