



**Digital All Liquid
Cooling Industrial and
Commercial Energy Storage
System (110kW/233kWh)**



Features

- Ultimate modularity and standardized design
- PACK and PCS dual channel liquid cooling
- Flexible layout combination, can be shoulder to shoulder, back-to-back, 20 foot combination 3.13 megawatt hours
- BMS、PACK、 Cabinet, three-level safety inspection and big data analysis warning
- Battery, PACK, and cabinet three-level pressure relief explosion-proof
- Networked, EMS energy management, and cloud based big data lifecycle management based on the 5S fully digital concept

| | |
|-----------------------------------|---|
| Basic | |
| Configuration | IP260S |
| Number of Pack | 5 |
| Short-circuit current | 12.2kA |
| Electrical | |
| Rated charging Current | 140A |
| Max. Charging Current | 160A lasts 1minute |
| Nominal Capacity | 233KWH |
| Voltage Range | 728~949V |
| Nominal Voltage | 832V |
| Max. continuous current | 140A |
| Rated Power | 100kW(0.5P) |
| Auxiliary Power | |
| Cooling Unit Power | Cooling:8KW; |
| Voltage range | 176-264V |
| BMS Power | 60W |
| System | |
| Anticorossion | C5 |
| IP rating | Battery:IP66,Control:IP65,NEMA 3R |
| Power connection | Fast Plug |
| Grounding Mode | ≤ 4Ω, Meet the Local Scope Requirements |
| Cooling Mode | Liquid Cooling |
| Storage Environment Temperature | -30~60 °C |
| Operating Environment Temperature | -25 ~55 °C |
| Environment Humidity | RH≤95% (Non-Condensing) |
| Altitude Requirements | < 4000m (> 3000m Derating) |
| Dimension | 1500*1000*2300mm |
| Weight | 3000kg |
| Color | RAL7035 |
| PCS | |
| Basic | |
| Rated Power | 100kVA |
| Overload Capability | Constant Operation@110%; 1 min@120% |
| Efficiency | 99% |
| Power Response time | < 20ms |
| Charge/Discharge Switching Time | < 50ms |
| Operating Environment Temperature | -40 ~ +60°C(>50°C Derating) |
| Installation | Wall Mounted |
| IP rating | IP66 |
| Cooling Mode | Liquid Cooling |
| Isolation Method | Non-Isolated |
| DC side | |
| Max. Voltage | 1000V |
| Operating Voltage Range | 600 ~ 1000V |
| Full Load Operating Voltage Range | 600 ~ 1000V |
| AC side | |
| Rated Voltage | 380V |
| Rated Current | 145A |
| Max. Long-Term Operating Current | 173A |
| Voltage Range | ±15% |
| Frequency | 50/60Hz±5Hz |
| Total Current Harmonics | < 3% |
| Communication | |
| Communications Interface | Wireless 4G/5G/RJ45/RS485 |
| Communications Protocol | Modbus-RTU/Modbus-TCP |



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