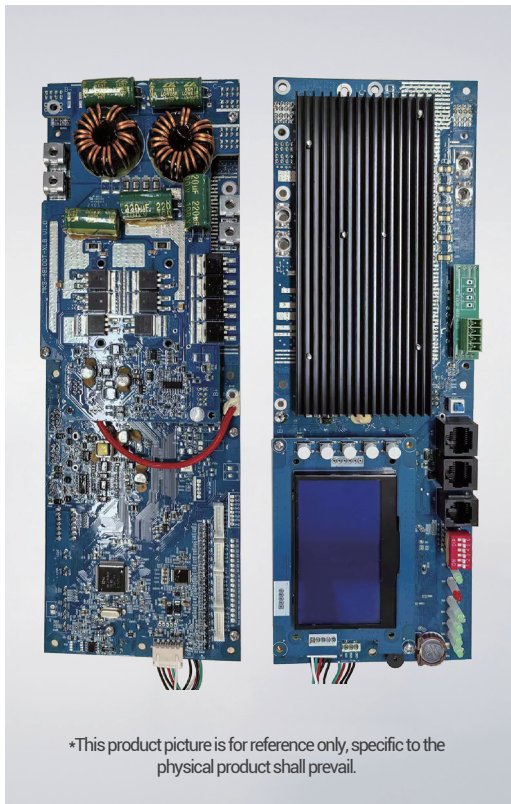


# BMS FOR TELECOM BASE STATIONS OR RESIDENTIAL ENERGY STORAGE



## PRODUCT



\*This product picture is for reference only, specific to the physical product shall prevail.



### Installation Unit

- Designed for home or telecom base station installations.
- Cell Type: Lithium-ion (LiFePO4)



### Capacity Range

- 5kWh or 10kWh



### Current Ratings (Full Series)

- 50A / 100A / 150A



### Key Features

- Automatic Addressing: Supports auto-addressing.
- Large Capacitive Load: Compatible with large capacitive loads.
- Parallel Battery Operation: Supports parallel connection of multiple batteries.
- Multi-Protocol Auto Detection: Automatically detects and adapts to various communication protocols.
- Certification: Meets UL1973 & IEC62619 standards; certified as a battery pack (BMS + cells).

PRODUCT PARAMETERS			
Cell Configuration	Supports 15-16 series LiFePO4 cells.		
Continuous Discharge Current	50A	100A	150A
Protections	<ul style="list-style-type: none"> <li>• Short Circuit Protection</li> <li>• Reverse Polarity Protection</li> <li>• Charge Current Limiting</li> </ul>	<ul style="list-style-type: none"> <li>• Overvoltage Protection</li> <li>• Undervoltage Protection</li> <li>• Overtemperature Protection</li> </ul>	
Performance	<ul style="list-style-type: none"> <li>• Voltage Sampling Accuracy: <math>\leq 10\text{mV}</math></li> <li>• Current Sampling Accuracy: <math>\leq 2\%</math> of Full Scale (FS)</li> <li>• Temperature Sampling Accuracy: <math>\leq 2^\circ\text{C}</math></li> <li>• SOC Accuracy: <math>\leq 5\%</math>; SOH Accuracy: <math>\leq 2\%</math>;</li> <li>• Self-Consumption Current: <math>\leq 45\text{mA}</math></li> </ul>		
PCBA Dimensions	300*100*50MM		
Optional Accessories	<ul style="list-style-type: none"> <li>• LCD Display Panel</li> <li>• Interface Board</li> </ul>	<ul style="list-style-type: none"> <li>• Touch Screen</li> <li>• Bluetooth Module</li> </ul>	<ul style="list-style-type: none"> <li>• GPS Module</li> <li>• Current Limiting Board</li> </ul>
Solution Architecture	SH367309+HC32F460PETB		

## FUNCTIONS

- **Communication:** CAN, RS232, Dual RS485, Ethernet;
- **Display:** LCD display panel;
- **Temperature Sensing:** Integrated temperature sensors;
- **Indicator Board:** LED indicator board;
- **Heating Film:** Built-in heating membrane;
- **Buzzer:** Integrated alarm buzzer;
- **Breaker:** Breaker tripper;
- **Sleep & Wake:** Sleep mode and wake-up function;
- **Pre-Charge Circuit:** Supports pre-charge;
- **Passive Balancing:** Supports charge balancing;
- **Low Voltage Switch:** Weak current switch;
- **Anti-Theft:** Theft protection function;
- **Gyroscope:** Built-in gyroscope;
- **Reset:** System reset function;
- **Alarm:** Multi-condition alarm function;
- **Parallel Operation:** Supports parallel connection of battery packs;
- **Data Storage:** Up to 10,000 records;
- **Dry Contact Outputs:** 4 dry contact channels;
- **Capacitive Load:** Supports capacitive loads;