



**CESS<sup>+</sup>**

**Industrial Business Energy Storage System- Series**



**CESS<sup>+</sup>** series products are energy storage battery solutions specifically developed for industrial and commercial customers. Utilizing long-life lithium iron phosphate batteries, they offer an impressive energy capacity of up to 232 kWh. These systems are not only safe but also intelligent. They can be combined with solar power generation or leverage the electricity price difference between peak and off-peak hours on the grid to store inexpensive electricity, maximizing returns. Energy storage enables efficient energy management and delivers lasting value.

## Product Features

### **High Reliability**

- Long-Life Battery Cells
- Proven High-Reliability Inverter
- 8-Year Warranty
- Independent and Reliable Battery Modules
- Liquid Cooling System

### **High Safety**

- Every step undergoes stringent safety testing to ensure reliability
- Enhanced with reaction-blocking chemical components for maximum safety
- Equipped with comprehensive alarm and protection systems for real-time risk control
- Features advanced multi-stage fire suppression mechanisms to ensure safety

### **High Intelligence**

- Grid-Backup Capability
- Remote Software and Firmware Upgrades
- Mobile App-Based Monitoring

### **Convenience**

- Stores excess solar energy for nighttime use and takes advantage of off-peak grid electricity rates for efficient energy storage
- Helps users achieve greater control and energy freedom. Energyfreedom®



## CESS+ 232i Data Sheet

MODEL NUMBER	CESS+232i
CESS+ 232i	CESS+232i battery system is based on standard 46.6 kWh battery modules, allowing scalability to a 232 kWh system with just five modules. It is a highly integrated system, including components such as a Battery Management Unit (BMU), Energy Management System (EMS), Battery Management System (BMS), Power Conversion System (PCS), Uninterruptible Power Supply (UPS), Thermal Runaway Management Unit, and Liquid Cooling Unit. This makes it a perfectly efficient energy storage battery system.
Dimensions (L*D*H)	1380*1350*2000mm
Weight (approximate)	2500Kg±3%
Nominal energy	232.9kWh
Cell Series Parallel	1P260S
Nominal voltage	832Vdc
Usable capacity	209kWh
Battery modules	5
AC Power Parameters	380Vac, 50Hz
AC output current range	0-320A
DC voltage range	0V~1500V dc
DC current range	0~320A
Cooling	liquid cooling
Altitude	Up to 2,500 meters (8,200 feet)
Ambient operating temperature range	-25°C to 85°C (-13°F to 185°F)
Enclosure rating	IP54 Outdoor

We reserve the right to make technical changes. The values, outputs, other technical data, images, and diagrams in this prospectus and in data sheets, advertisements, and other promotional documents are approximate guidelines in all cases where they have not been identified as binding. Please observe our applicable warranty conditions.



## CESS<sup>+</sup> 232i Configuration Table

MODEL	UNIT	QAUNTITY	DESCRIBE
EMS Unit	set	1	Dispatch Control System
BMS Unit	set	1	Battery Management System
Battery Module Unit	piece	5	Composed of 5 x 46.6 kWh Modules
Cooling Unit	set	1	Includes temperature control for the battery box and heat dissipation for auxiliary equipment
Thermal Runaway Control Unit	set	1	Equipped with an alarm system, internal fire suppression system, and high-pressure water fire suppression for the cabinet
UPS	set	1	24V Backup Power Supply
High Voltage Box	piece	1	Integrated High-Voltage System
Lightning Protection	set	1	All separate components integrated
Display Unit	piece	1	10-inch display screen installed on the integrated cabinet door
Integrated Cabinet	piece	1	Dimensions: 1380*1350*2000mm; C5 Grade.
User Manual	copy	1	Hard Copy
Certificate of Conformity	copy	1	Hard Copy
Accessories	set	1	Bottom Guard Plate, Hooks, Fixing Screws, Grease