

C&I All-in-One Hybrid Energy Storage System

It is suitable for various scenarios such as large residential areas, supermarkets, farms, and small factories. It integrates functions including power, generation, conversion, storage, and utilization. With its high-end hardware configuration and intelligent software, it supports various application modes such as self-consumption, time-of-use, and backup mode. It meets daily usage scenarios and can also connect with other devices such as diesel generators, helping owners achieve more stable, secure, and economical electricity needs.



Ultimate Safety

- AFCI as standard to prevent fire
- Support core health warning, CO, fire detection, cabinet-level fire protection
- AC and DC type II SPD

Highly Integrated

- Pre-installed in the factory, no need for on-site installation and debugging
- Accessing to DG(diesel generator), no need for additional equipment
- AC coupling available

Higher Revenue

- PV and Battery are dc coupled with high efficiency
- Wide environmental adaptability improves VPP revenue
- Intelligent scheduling, and multiple scheduling modes



DATASHEET

Model number	BESS-I241
Battery	
Battery Cell	LFP 3.2V 314/280Ah
Battery Pack	51.2V 314/280Ah
Battery Cluster Rated Voltage	768V(15 Batteries in Series)
Battery Cluster Rated Energy	241.15kWh/215.04kWh
Recommend Charging/Discharging Current	100A
Max Charge/Discharge Working Current	200A
Discharge Cut-off Voltage	660V
Charge Cut-off Voltage	852V
Cycle Life	≥6000 (25℃ ± 2℃ , 0.5C / 0.5C, 90%DOD)
Cabinet	
Size: W*D*H	1300*1260*2375mm
Weight	2500KG
Level	IP54
Operating Temperature Range	-20~50℃
Relative Humidity	0~95%
Altitude	<2000m
Cooling Method	Air cooling (refrigeration, ventilation, heating)
Noise	75dB
System Efficiency	90%
Fire Protection System	Integrated
Communication	RS232/RS485/CAN
Inverter	
Energy Storage Inverter Solis 100~125KW, AC: Three Phase 380V	

*The data in this table is for reference only, and is subject to actual delivery

*Inverter power is selectable; please contact our sales team for details.

