

Integrated Commercial & Industrial Battery Energy Storage Systems

Our integrated Battery Energy Storage Systems provide a mature turnkey solution for commercial & industrial clients seeking reliable backup power & optimized energy management. The systems package lithium-ion battery banks, bi-directional inverters, auxiliary cooling components, and fire suppression infrastructure together within robust outdoor enclosures. Through proprietary intelligent battery management and advanced thermal control, our BESS achieves excellent safety, performance and lifespan. Customizable control programs enable applications like peak shaving, self-consumption of on-site generation and demand charge reduction. Equipped with scalable storage and discharge capabilities, the systems ensure continuous power for critical equipment and processes. Select models also facilitate integration of photovoltaics.

Features And Advantages



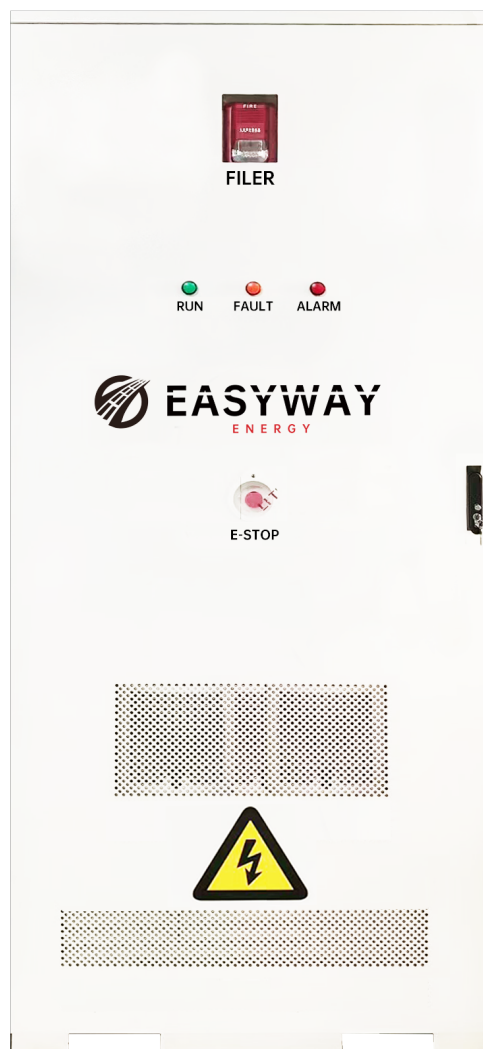
Effective air conditioning refrigeration



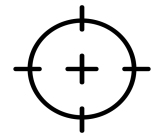
Total Energy ranges from 100 kWh to 233 kWh



Out Door Use Is Available



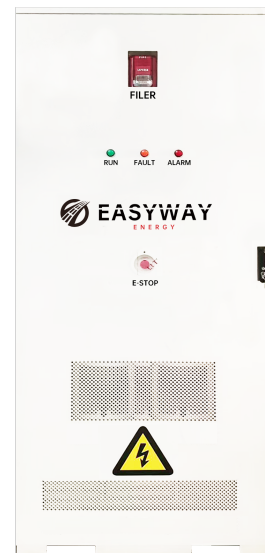
Highly Efficient Three-Level Control System



PCS / Inverter wide range of options



Convenient screen operation.



C & I Energy Storage System

Basic Parameters

MODEL		ESS 261kWh/105kW
BATTERY PARAMETER		
Total Energy (kWh)		261
Useable Energy (kWh)		245.57
Nominal Voltage (Vd.c)		832
Voltage Range (Vd.c)		728 ~ 936
Rated Capacity (Ah)		314
Recommend charge/discharge rates		0.4C
Single Module Specifications		166.4V/314Ah
Cooling Type		Liquid Cooling
AC OUTPUT PARAMETER		
Nominal Output Power To Grid (kW)		105
Max. Output Power To Grid (kW)		115
Max. Output Current To Grid (A)		167
Nominal Grid Voltage (V)		230/400V, 3L+N+PE
Rated Grid Frequency (Hz)		50/60
Maximum efficiency		99%
SYSTEM PARAMETER		
Dimension (W *H* D) (mm)		1055*2300*1300
Weight (KG)		2700
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)
	Discharge	-20°C ~ 55°C (-4°F ~ 131°F)
Storage Temperature		-20°C ~ 55°C (-4°F ~ 131°F)
IP Rating		IP54
Corrosion Resistance Rating		C4
Fire Protection Type		Perfluorohexanone
Operating Environment		Indoor & Outdoor (10% ~ 95% (RH) No Condensing)
Altitude		≤2000 m
Warranty		PCS(5 Years) Battery(10 Years)
Operation Life		15+ Years (25°C/77 °F)
Cycle Life		≥8000 @25°C
Certification		CE/UN38.3/MSDS

The recommended and max. continuous operation current is for a battery cell temperature within 10~40°C to consider, out of such temp. range will cause a derating on operation current.