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 suppressionin frastructure 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 chargereduction. 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 261 kWh

Outdoor Use Is Available

Highly Efficient Three-Level Control System

PCS / Inverter wide range of options

Convenient screen operation.

EASYWAY ENERGY

C & I Battery Energy Storage System

Basic Parameters

MODEL		ESS 112kWh
BATTERY PARAMETER		
Total Energy (kWh)		112.54
Useable Energy (kWh)		105.79
Nominal Voltage (Vd.c)		358.4
Voltage Range (Vd.c)		313.6 ~ 403.2
Rated Capacity (Ah)		314
Recommend charge/discharge rates		0.5C
Recommend Using DOD		90%
Single Module Specifications		51.2V 314Ah
Cooling Type		Air Condition Cooling
Communication		CAN/RS485
SYSTEM PARAMETER		
Dimension (W *H* D) (mm)		750*2200*1100
Weight (KG)		1250
Operation Temperature	Charge	0°C ~ 55°C (32°F ~ 131°F)
	Discharge	-20°C ~ 55°C (-4°F ~ 131°F)
Storage Temperature		-20℃ ~ 55℃ (-4℉ ~ 131℉)
IP Rating		IP54
Corrosion Resistance Rating		C4
Fire Protection Type		Perfluorohexanone
Operating Environment		Indoor (10% ~ 95% (RH) No Condensing)
Altitude		≤2000 m
CERTIFICATION AND SAFETY		
Warranty		10 Years
Operation Life		15+ Years (25°C/77 ℉)
Cycle Life		≥8000 @25℃
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.