

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



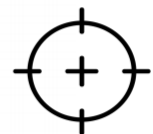
Total Energy ranges from 100 kWh to 233 kWh



Out Door Use Is Available



Highly Efficient Three-Level Control System



PCS / Inverter wide range of options



Convenient screen operation.



C & I PV Energy Storage System

Basic Parameters

MODEL		ESS 100kWh/50kW
BATTERY PARAMETER		
Total Energy (kWh)		100.35
Useable Energy (kWh)		94.33
Nominal Voltage (Vd.c)		358.4
Voltage Range (Vd.c)		313.6 ~ 403.2
Rated Capacity (Ah)		280
Recommend charge/discharge rates		0.5C
Single Module Specifications		51.2V 280Ah
Cooling Type		Air Condition Cooling
PV INPUT PARAMETER		
Max. PV Power(kW)		96
Max. PV Input Voltage(V)		1000
MPPT Voltage Range(V)		150 ~ 850
AC OUTPUT PARAMETER		
Nominal Output Power To Grid (kW)		50
Max. Output Current To Grid (A)		76
Nominal Grid Frequency (Hz)		50/60
Nominal Grid Voltage (V)		3L/N/PE; 220/380V;230/400V;240/415V
SYSTEM PARAMETER		
Dimension (W *H* D) (mm)		750*2200*1100
Weight (KG)		1120
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
Operating Environment		Indoor (10% ~ 95% (RH) No Condensing)
Altitude		≤2000 m
Warranty		Inverter(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.