

C&I Energy Storage System

EASS125K/261kWh-C

All in one



Intelligent group series architecture, one cluster one management PCS three level topology, the whole machine energy conversion efficiency >90%, liquid cooling temperature control, battery temperature difference <3°C, auxiliary power consumption is reduced by 30%, the system life is extended by 2 years



Long-life LFP battery cells with >8000 cycles, equipped with explosion venting design and perfluorohexanone fire protection, provide multiple safety guarantees and support off-grid load carrying, serving as a backup powersource for critical loads



All in one design, landing is grid connection, no debugging of high energy density cell, system area reduced by 40%, no transformer design, lightweight



Online monitoring of cloud platform, real-time warning of system faults, support remote and local upgrade of key equipment, intelligent maintenance and high-precision BMS, accurate calibration, and no expert on-site maintenance

Product Application Scenarios



Shopping Mall Building



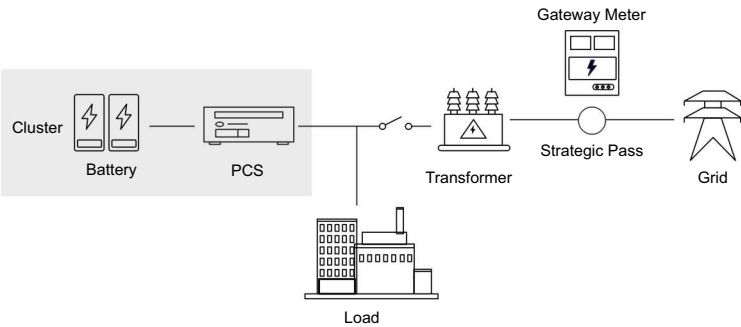
Industrial Park



Photovoltaic Storage and Charging Station



Public Construction Unit



Specification

MODEL	EASS125K/261kWh-C
DC side parameters	
Cell	LFP3.2V/314Ah
System battery configuration	1P260S
Rated capacity	261kWh
Rated voltage	832Vdc
Voltage range	650~936Vdc
On-grid AC side parameters	
Rated power	125kW
Rated voltage	400Vac
Voltage range	-20%~+15%
Rated frequency	50/60Hz
Frequency range	45~55Hz/55~65Hz
Power factor	±1
THDi	≤3%
Overload capacity	110%
Off-grid AC side parameters	
Rated power	125kW
Rated voltage	400Vac
Rated frequency	50/60Hz
THDv	≤3%
System parameters	
AC wiring mode	Three phase four line
System efficiency	≥90.0%
Charge/discharge rate	0.5P
Cycles	≥8000@25°C
IP rating	Battery protection@IP67, PCS protection@IP66, system protection@IP54
Operating temperature	-30°C~55°C
Relative humidity	0~95%RH(non-condensing)
Altitude	<3000m(drop over 3000m)
Cooling method	Liquid cooling
Fire protection system	Perfluorohexanone(PACK Grade)+active monitoring+water fire protection
Communication interface	LAN, RS485, TCP/IP, ICE61850
Dimensions(W×H×D)(mm)	1000x2350x1350
Weight(kg)	≤2500