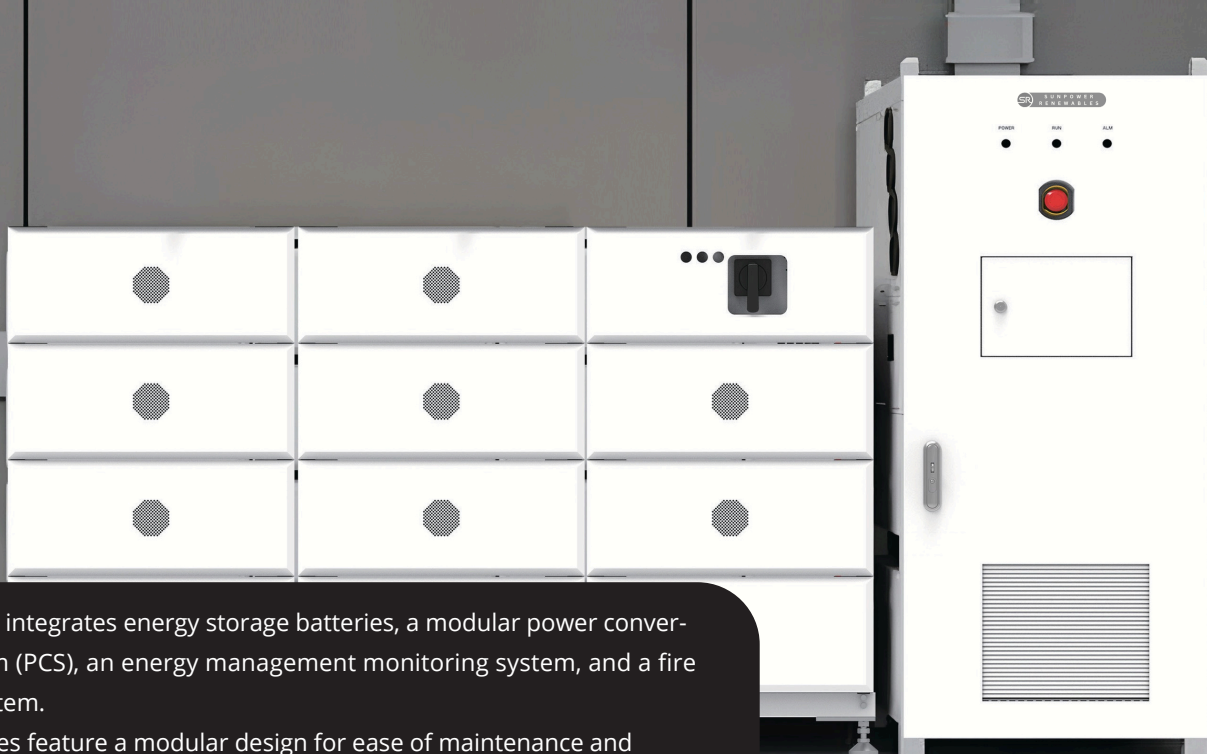


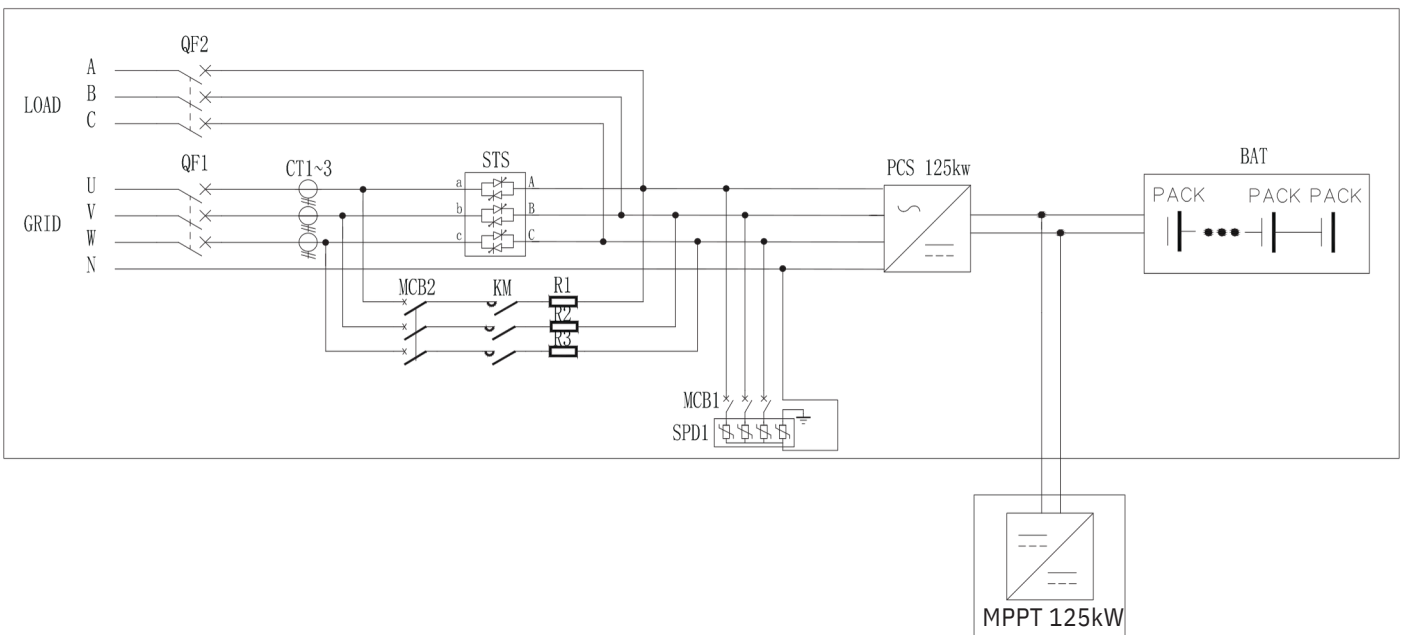
# ENERGY STORAGE SYSTEM (INDOOR)



ESS system integrates energy storage batteries, a modular power conversion system (PCS), an energy management monitoring system, and a fire control system.

The batteries feature a modular design for ease of maintenance and capacity expansion; the front-access maintenance corridor design effectively reduces the footprint and minimises maintenance aisle requirements.

The system offers high safety, robust reliability, rapid deployment, cost competitiveness, outstanding efficiency, and intelligent management.





Model	125kW-221E All-in-One ESS
<b>Battery system</b>	
Rated battery storage capacity	221kWh
Rated system voltage	704V
Battery voltage range	616~794V
Battery type	Li-ion(LFP)
Battery Cell capacity	314Ah
Series and parallel mode of battery	1P*20S*11S
Max. charge and discharge current	152
<b>MPPT Module (UMG-PVB-125VDC) (External)</b>	
Max.PV input voltage	900V
Max. PV power	125kW
MPPT voltage range	200~900V
MPPT voltage range full load	520~950V
<b>PCS Module</b>	
Rated AC power	125kW
Rated AC current	180A
Rated AC voltage	400V, 3W+N+PE/3W+PE
Rated frequency	50/60Hz
THDI	<3%(rated power)
PF	-1 leading to +1 lagging
<b>STS Module</b>	
Rated AC Power	300kW
Mar. Power	330kW
Switching time	< 10ms
<b>General Data</b>	
Enclosure protection rating	IP20
Protection class	I
Isolation mode	Non-Isolation (Adding isolation transformer is optional)
Humidity	0~95% (No condensing)
Noise	< 75dB
Operating temperature	0~60°C (Derating above 45°C)
Cooling	Intelligent air cooling
Altitude	3000m (>3000m derating)
Weight	3000kg (TBD)
Dimension [L x H x D]	2050*1250*2230mm
Communication interface	RS485/CAN 2.0/Ethernet/dry contact