

Energy Storage (Lenercom ESS)



Application Scenario

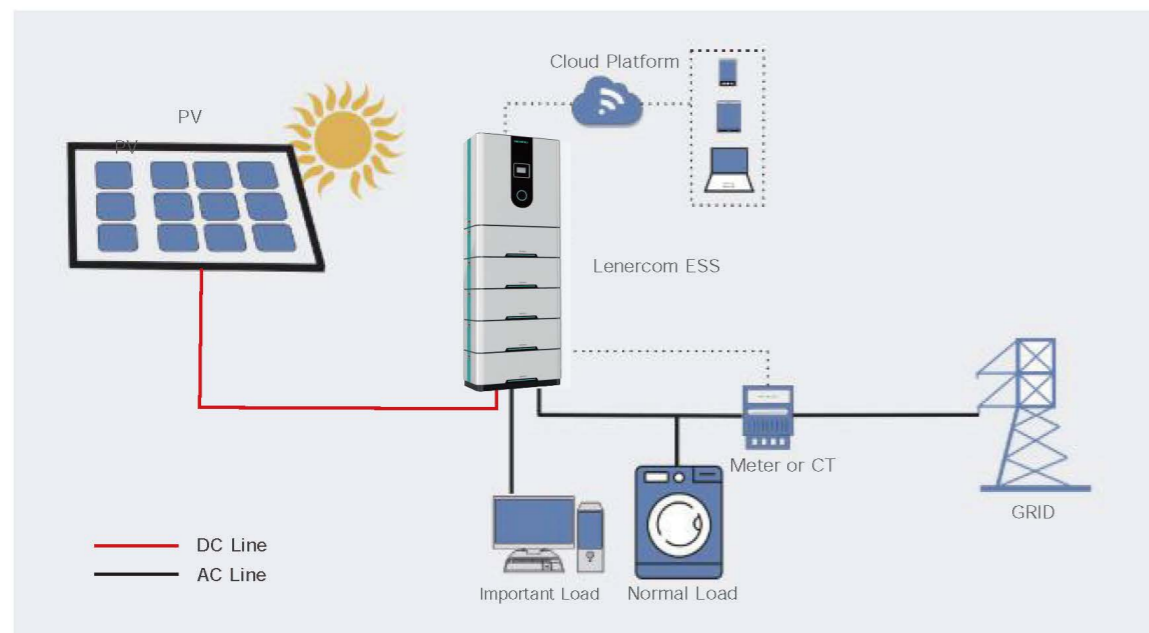


Villa Base station Telecom room EV charging station Farm



- lithium iron phosphate batteries, more efficient and safe.
- Millisecond switching, support UPS and 24-hour uninterrupted power supply.
- Full power continuous output, instantaneous power up to 2 times the rated power.
- Up to 3 inverters in Parallel, plug and play design, no professional installation required.
- Modular stacking, flexible configuration of energy storage units, power expansion on demand.
- EMS cloud platform data acquisition. Intermittent transmission, easy to achieve Intelligent interconnection.

Product Topology



Model	LC-E2-204	LC-E2-408	LC-E2-513	LC-E2-522
Inverter parameter				
PV maximum input power	2000W	4000W		
PV maximum input current	80A			
PV maximum input voltage	145V			
Number of MPPT	1			
MPPT voltage range	30-130Vdc	64-130Vdc		
Rated /Instantaneous power	2000W/4000W	4000W/8000W	5500W/10000W	
Rated output current	8.7A	17.4A	21.7A	
Type of grid connection	L+N+PE			
Rated output voltage	230V			
Grid voltage range	180~270V			
Frequency of output	50Hz/60Hz self-adaption			
EPS Output				
Rated output power	1920W	4000W	5000W	
Rated output current	8.42A	17.4A	21.7A	
Rated output voltage	230V			
Rated output frequency	50Hz/60Hz			
THDU	<2%			
Batterys&BMS parameters				
Battery pack voltage	24V	48V		
Battery Type	LiFePO4			
Battery Capacity	4.4KWh*1	*	*	4.4KWh*5
Floating charge voltage	27V	54V		
Designed lifespan	>10 years(25°C)			
IMax charge/discharge	60/8.7A	95/62.5A	95/110A	
System parameters				
Protection level	IP65			
Display	LCD			
Operating temperature	-20°C~60°C			
Humidity	15%~85%(No condensation)			
Size(W/D/H)	600mm/420mm/930mm	600mm/420mm/1125mm	600mm/420mm/1330mm	600mm/420mm/1730mm
Weight	95kg	176kg	216kg	306kg
Safety regulations	IEC 62109-1&-2,IEC 62477,CE-EMC			

* Lenercom ESS won the Gold Medal in the product design category of the Muse Design Awards (2021).

* MUSE is one of the most influential international awards in the field of creative design, organized by the International Design Awards Association (IAA).