

Lenercom Industrial ESS



Product Features



DC/DC system with two inputs enables multichannel MPPT and battery management with advanced interleaved control technology, small ripple current, and extended battery life.



DC/DC and DC/AC adopt three-level circuit design, high conversion efficiency; It adopts harmonic suppression patented technology to intelligently adapt to diversified scenarios such as industry and commerce, microgrid, and distribution station area.



STS module automatically cuts off faulty loops and switches to off-grid power supply in case of mains power failure. Photovoltaic storage also ensures reliable power supply.



The multi-energy complementary power supply of microgrid: power frequency transformer configuration; Uninterrupted power supply for critical loads: configure power frequency transformers.

Product Parameters

Model	LC-C1-50-100
Battery Parameters	
Battery cell type & capacity	LiFePO4-120Ah
Battery storage capacity range	100kWh
Rated system voltage	844.8V
AC Side Parameters	
Grid connection type	3P+N+PE
Rated power	50kW
Rated grid voltage	400V
Frequency range	50Hz
Rated AC output current	72A
Power factor	-1(leading)~ +1(lagging)
Harmonics	<3%(rated power)
General Parameters	
Dimensions(W*D*H)	1200*1000*2150mm
Maximum weight	1750kg
Degree of protection	IP54
Cooling method type	Smart Air conditioner
Fire fighting system	Aerosol/FM200/Novec1230
Operating temperature	-25~60°C(Derating above 45°C)
Altitude	3000m(>3000m derating)
Communication interface	RS485/CAN 2.0/ Ethernet/dry contact
PV Side Parameters (Optional)	
Maximum PV input power	50kW

Note: Above models are typical configurations. PV charging (DC/DC) module, on/off-grid switching module, industrial isolation transformer and other components can also be selected for micro-grid scenarios, to form Solar ESS integrated system cabinet.

