

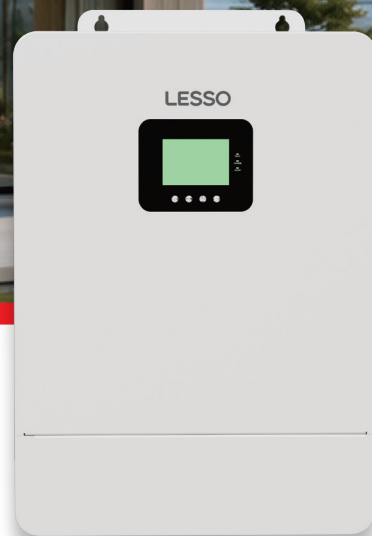
LESSO



Hybrid Inverter

LEC-802/103E5B1F

8/10kW | Split phase | 2 MPPTs



Parallel Expansion, Flexible Capacity Expansion

Enables six-unit parallel connection with extensive power coverage for residential energy applications



Dual Voltage Output, Wide Compatibility

Supports 120/240V dual voltage output, compatible with power standards across diverse regions



Seamless Switching, Energy Conservation

Auto enable energy-saving mode under no load to reduce unnecessary power loss



High-efficiency MPPT, Precise Regulation

Dual independent MPPT achieves 99.9% tracking efficiency for flexible array power allocation



Smart Charging, Energy & Cost Saving

Adopt three-stage intelligent charging management and support customized energy scheduling plans



Comprehensive Protection, Multi-port Interconnection

Built-in overvoltage, overload and overheat protection, fitted with RS485/CAN communication ports

Model	LEC-802E5B1F		LEC-103E5B1F	
Battery Input Data				
Battery type	Lithium or lead acid battery			
Rated voltage	48V			
Maximum charge/Discharge current	190A/190A		200A/200A	
PV Input Data				
Maximum DC input power	15200W		16000W	
Maximum DC input voltage	500V			
MPPT voltage range	125~435V			
Starting voltage	150V			
Maximum input current	22A/22A		23A/23A	
MPPT number	2			
AC Output Parameters (On-Grid)				
Rated output apparent power	8000VA		10000VA	
Rated output voltage	200/208/220/230/240Vac, L+N+PE			
Rated output frequency	50Hz/60Hz			
Max output current	40A		45A	
Output power factor	1 (-0.8 leading~+0.8 lagging)			
AC Output Parameters (Off-Grid)				
Rated output apparent power	8000W		10000W	
P-P output power	>110%, 1sec			
Rated output voltage	200/208/220/230/240Vac, L+N+PE			
Rated output frequency	50Hz/60Hz			
Rated output current	40A		45A	
Efficiency				
Maximum efficiency (PV)	99%			
Maximum efficiency (BAT)	94.5%			
Other Parameters				
Display	LCD			
Communication	USB/RS485/CAN/Dry Contact			
Parallel connections	1~6 units			
Anti-Backfeed function	Yes			
Operating temperature range	-10~55℃ (>45℃ derated)			
Humidity range	20~95% (No-condensation)			
Altitude	≤2000m			
Cooling method	Intelligent forced air cooling			
Net weight	28.2kg			
Machine size (H×W×D)	620×445×130mm			
Gross weight	31kg			
Package size (L×W×H)	785×565×246mm			
IP rating	IP20			
Topology	HF isolation (Battery side)			
Standards	EN IEC61000-6-1&6-3, EN IEC62109-1, EN IEC62109-2			

Remarks: Specifications are subject to change without notice.