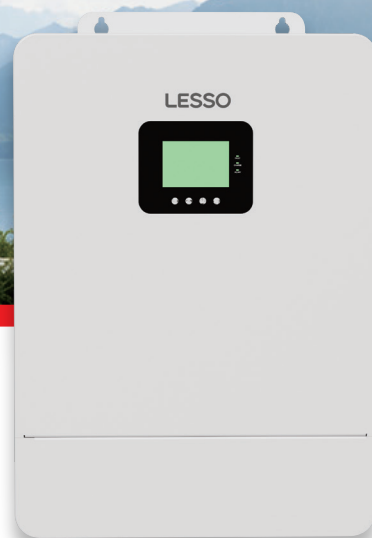


LESSO



Hybrid Inverter

LEC-402/502/652E5B1F

4kW/5kW/6.5kW | Split phase | 1 MPPT



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

The 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-402E5B1F		LEC-502E5B1F		LEC-652E5B1F	
Battery Input Data						
Battery type	Lithium or lead acid battery					
Rated voltage	48V					
Maximum charge/Discharge current	100A/100A	120A/120A		125A/125A		
PV Input Data						
Maximum DC input power	6000W	10000W		12000W		
Maximum DC input voltage	500V					
MPPT voltage range	125~435V					
Starting voltage	150V					
Maximum input current	18A/18A	20A/20A		20A/20A		
MPPT number	1					
AC Output Parameters (On-Grid)						
Rated output apparent power	4000VA	5000VA		6500VA		
Rated output voltage	120/240VAC, Single-phase/Split-phase, L1/N/L2					
Rated output frequency	50Hz/60Hz					
Max output current	26.2A	32.7A		42.6A		
Output power factor	1 (-0.8 leading~+0.8 lagging)					
AC Output Parameters (Off-Grid)						
Rated output apparent power	4000W	5000W		6500W		
P-P output power	>110%, 1sec					
Rated output voltage	120/240VAC, Single-phase/Split-phase, L1/N/L2					
Rated output frequency	50Hz/60Hz					
Rated output current	26.2A	32.7A		42.6A		
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	25kg					
Machine size (H×W×D)	496×356×130mm					
Gross weight	28kg					
Package size (L×W×H)	628×452×246mm					
IP rating	IP20					
Topology	HF isolation (Battery side)					
Standards	UL1741 (Ed.3, Rev. September 28, 2021), CSA C22.2 No. 107.1-16					

Remarks: Specifications are subject to change without notice.