

LESSO



Hybrid Inverter

LEC-802/103A3BF

8/10kW | Single phase | 2 MPPTs



Parallel Expansion, Flexible Capacity Expansion

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



Fast Charge & Discharge, Powerful Load Capacity

Delivers 200A rapid charge-discharge capacity to instantly satisfy high-load power demands



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-802A3BF	LEC-103A3BF
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)	92%	
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	28kg	
Machine size (H×W×D)	620×445×130mm	
Gross weight	30.8kg	
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.