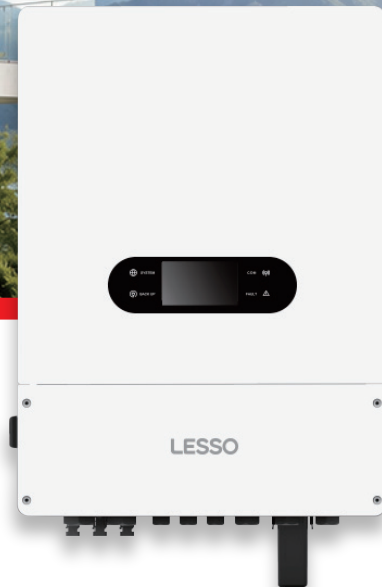


LESSO



Hybrid Inverter

LEC-123B3BD-AT

12kW | Three 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 250A rapid charge-discharge capacity to instantly satisfy high-load power demands



Battery Compatible, Wide Adaptation

Fully compatible design suits mainstream lead-acid and LiFePO4 energy storage batteries



Smart Charging, Energy & Cost Saving

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



IP66 Protection, Outdoor Reliable

Features IP66 dustproof and waterproof grade, adaptable to various complex installation scenarios



Dual Control Management, Efficient Operation

Supports remote monitoring and local touch screen operation

Model	LEC-123B3BD-AT
Battery Input Data	
Battery type	Lithium or lead acid battery
Rated voltage	48V
Maximum charge/Discharge current	250A/250A
PV Input Data	
Maximum DC input power	24kW
Maximum DC input voltage	1000V
MPPT voltage range	200~800V
Starting voltage	150V
Maximum input current	36A/18A
MPPT number	2
AC Output Parameters (On-Grid)	
Rated output apparent power	13200VA
Rated output voltage	230/400Vac 3W+N+PE
Rated output frequency	50Hz/60Hz
Max output current	20A
Output power factor	1 (-0.8 leading~+0.8 lagging)
AC Output Parameters (Off-Grid)	
Rated output apparent power	12000W
P-P output power	>200%, 15sec
Rated output voltage	230/400Vac 3W+N+PE
Rated output frequency	50Hz/60Hz
Rated output current	20A
Efficiency	
Maximum efficiency (PV)	98%
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	-25~60°C (>45°C derated)
Humidity range	0~95%
Altitude	≤4000m, (>2000m derated)
Cooling method	Intelligent forced air cooling
Net weight	37.3kg
Machine size (H×W×D)	683×475×256mm
Gross weight	43.2kg
Package size (L×W×H)	760×540×365mm
IP rating	IP66
Topology	HF isolation (Battery side)
Standards	IEC62109, IEC61000, IS16169 & IS16221 (BIS) IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140 IEC61683, IEC62116, EN50530, IEC60068

Remarks: Specifications are subject to change without notice.