

LESSO



LEC-6.2kW

Residential Hybrid Inverter

LEC-6.2kW delivers superior power capacity and intelligent energy management for high-demand residences. This advanced hybrid inverter solution combines robust 6.2kW output with cutting-edge efficiency to maximize solar self-consumption, significantly reduce electricity costs, and provide instantaneous backup power during grid failures.



6.2kW Continuous (12.4kW Peak) Output



MPPT with 99.9% Efficiency



120A Hyper-Fast Battery Charging



Smart 4-Stage Energy Scheduling



10ms Seamless Backup Transition



Silent Indoor Operation

Model	LEC-622A4B2F-TF
PV Input	
Max input voltage	500Vdc
Isc PV(absolute Max.)	36A
Max input current	27A
Number of MPPT channels	1
MPPT range	60Vdc-500Vdc
Vdc range @full power	360Vdc-430Vdc
Max input PV power	8500W
Battery (charge/discharge)	
Battery type	Li-ion / Lead-acid / User-defined
Rated norma voltage(Range)	42Vdc-60Vdc
Rated battery voltage	48V
Max charge/discharge current	120A/143A
Max charge/discharge power	5760W/6900W
AC Grid (input and output)	
Rated AC voltage	220/230/240Vac (Single phase)
AC input voltage(Range)	90-280V±3V(APL Mode) 170-280V±3V(UPS Mode)
Rated frequency	50Hz/60Hz
Bypass over current	26.9A
AC Load Output (stand alone)	
Rated voltage	220/230/240Vac (Single phase)
Rated frequency	50Hz/60Hz
Rated current	26.9A
Rated output power	6200W
P-P output power	12400W
Load capacity of motors	2000W
Overload capability (off grid)	Battery Mode: 11s@105%~150% Load; 2s@150%~200% Load; 400ms@>200% Load
Output power factor (off grid)	1.0@Resistive Load
Others	
Ingress protection	IP21
Operating temperature	-10°C~50°C
Package size (H×W×D)	560×382×215mm
Gross weight	13.1kg
Machine size (H×W×D)	465×313×135mm
Net weight	11.6kg
Altitude	Altitude Not Over 1000m, Derating over 1000m, Max 4000m, Refer to IEC62040
Cooling method	Built-in fan
Commication	
Embedded interfaces	RS485 / RS232 / Dry contact
External modules(optional)	WiFi

Remarks: Specifications are subject to change without notice