

LESSO



Off-grid Inverter with MPPT

LES-402A2AF/622A4BF-TF

4kW/6.2kW | Single phase | 1 MPPT



Intelligent Charging, Safe & Reliable

Adaptive charging recognition and built-in battery activation enable safe, controllable charging



Intelligent Interconnection, Real-time Control

Supports remote monitoring via APP and web terminal, enabling visualized energy status and intelligent dispatch



Parallel Expansion, Flexible Capacity Expansion

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



Dual Output, Worry-free Power Supply

Enables load zoning management, enhancing power stability and energy utilization efficiency



Seamless Switching, Uninterrupted Power

Millisecond mode switching secures continuous power supply to critical loads during grid faults



Battery Compatible, Wide Adaptation

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

Model	LES-402A2AF-TF	LES-622A4BF-TF
Rated power	4kW	6.2kW
Parallel connections	/	1~6 units
AC Input Data		
Input format	Single-phase: L+N+PE	
Input rated voltage	220/230/240Vac	
Input voltage range	90~280VAC±3V (APL Mode), 170~280VAC±3V (UPS Mode)	
Input frequency range	50Hz/60Hz (Adaptive)	
Output		
Rated power	4kW	6.2kW
Peak power	8000VA	12400VA
Output voltage	220/230/240Vac±5%	
Output frequency	50Hz/60Hz±0.1%	
Output waveform	Pure Sine Wave	
Switching time	≤20ms	
Rated output current	17.4A	26.9A
Overload capacity	Battery Mode: 11s@105%~150% Load; 2s@150%~200% Load	
PV Charging And AC Charging		
Charging method	MPPT*1	
Maximum input power	6500W	8500W
Maximum PV input voltage	500Vdc	
MPPT voltage range	60-500Vdc	
Starting voltage	90Vdc	
Maximum PV input current	27A	
Maximum PV charging current	120A	
Maximum AC charging current	100A	
Maximum charging current	120A	
Battery		
Rated voltage	24Vdc	48Vdc
Constant voltage charging voltage (settable)	28.2Vdc	56.4Vdc
Constant voltage charging voltage (settable)	27Vdc	54Vdc
Other Parameters		
Display	LCD	
Communication	RS232/RS485/Dry Contact (Optional: WIFI data collector)	
Operating temperature range	-10~+50°C	
Humidity range	20~95% (No-condensation)	
Altitude	≤1000m, >1000m derated	
Cooling method	Built-in fan	
Net weight	9.16kg	10.33kg
Machine size (H×W×D)	495×312×125mm	
Gross weight	10.51kg	11.57kg
Package size (L×W×H)	565×390×200mm	565×397×200mm
IP rating	IP21	
Standards	EN IEC60335-1, EN IEC60335-2-29, IEC62109-1	

Remarks: Specifications are subject to change without notice.