

# LESSO



## LES-6.2kW

### Residential Off-grid Inverter with MPPT

#### Feature:

- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Parallel operation with up to 6 units (optional)

Product Model		LES-622A4BF-TF
AC input	Rated input power	6200W
	Maximum input current	40A
	Rated input voltage	220VAC/230VAC/240VAC
	Input voltage range	90-280VAC±3V(APL Mode) 170-280VAC±3V(UPS Mode)
	Rated input frequency	50Hz/60Hz, Auto Adaptive

Product Model		LES-622A4BF-TF
Inverter output	Inverter rated power	6200W
	Peak power	12400VA@100ms
	Rated output current	26.9A
	Output voltage level	220VAC/230VAC/240VAC±5%
	Output voltage waveform	Pure Sine Wave
	Inverter output frequency level	50/60Hz±0.1%
	Switch time	Response Time for Inverter-to-Mains Switchover:≤20ms; Response Time for Mains-to-Inverter Switchover:≤20ms
PV input (DC)	Max. input power	6200W
	Max.input voltage	500VDC
	Maximum input current of PV	27A
	Maximum short-circuit current of PV	36A
	MPPT voltage range	60VDC-500VDC
	Number of MPPTS	1
	Number of strings per MPPT	1
Battery input (DC)	Battery type	Lithium Battery / Lead-acid Battery
	Voltage range	42-60VDC
	Rated voltage	48VDC
	Max. charging current	120A
	Max. discharging current	143A
Efficiency	Maximum inversion efficiency	98%
	No-load loss	≤65W
Environment parameters	Operating temperature	-10°C~+50°C
	Storage temperature	-15°C~+60°C
	Relative humidity	20%~95% (No condensation)
	Altitude	Altitude Not Over 1000m, Derating over 1000m, Max 4000m, Refer to IEC62040
	Ingress protection	IP21
Mechanical parameters	Package size (H×W×D)	565×397×200mm
	Gross weight	11.57kg
	Machine size (H×W×D)	495×312×125mm
	Net weight	10.33kg
Others	Display	LCD
	Communication with BMS	RS485
	Communication with protal	RS232/Mobile APP/ Webpage(WIFI Monitoring)(Optional)
	Parallel function	Parallel operation models are available. Standard configuration: 6 units, maximum paralleleable units: 9
	Thermal method	Cooling fan in intelligent control
	Defensive function	Mains Overcurrent Protection / Mains Overvoltage Protection / Mains Undervoltage Protection / Mains Overfrequency Protection / Mains Underfrequency Protection / Mains Bypass Overload Protection / Battery Overvoltage Protection / Battery Over-discharge Protection / PV Current Limiting Protection / PV Power Limiting Protection / Device Overheat Protection / Load Output Short-circuit Protection / Inverter Output Overload Protection
	Certification	ENIEC60335-1, ENIEC60335-2-29, EC62109-1

Remarks: Specifications are subject to change without notice