



LenoX

3.0 SERIES
L-TP-HYBRID

MONITOR YOUR POWER WITH A BIGGER SCREEN

This advanced inverter is compatible with nearly all high-voltage LiFePO4 battery packs and features an external status light and colorful touch LCD for quick, clear monitoring. It offers 6 programmable charging/discharging time periods, supports diesel generator energy storage, and includes AC coupling for easy retrofitting with existing solar systems.

With a plug-and-play design that requires no external power and an external layout for easy maintenance, installation and servicing become effortless. Users can monitor performance anytime, while the inverter delivers 100% three-phase unbalanced output, allowing each phase to handle up to 50% of rated power—ensuring stable, flexible, and reliable performance in all conditions.



50KW HIGH VOLTAGE

5 Years Replacement Warranty

+ Life Time Repairable



OPTIONAL Wi-Fi MONITORING

Monitor & configure your device from anywhere

Use Wi-Fi Function to remotely monitor the real-time running status of the product

AVAILABLE ON



MODEL	LENOX L-TP- 50KW
Rated Power	50000W
PV INPUT	
Max.power(KW)	65000
Max.DC voltage(V)	1000
MPPT voltage range(V)	450-850
Max.input current(Isc)	55+55+55+55
Max.input strings number	2+2+2+2
AC OUTPUT (GRID-TIED)	
Grid voltage/range(V)	230/400V (Three Phase)
Frequency(Hz)	50/60
PF	0.8lagging-0.8leading
THDi	<3%
AC output topology	L+N+PE
BATTERY	
Battery Voltage Range (V)	160-700
Max.charging voltage(V)	-
Max.charge/discharge current(A)	50/50
Battery Type	Lithium
UPS OUTPUT	
Rated power (kw)	50
Peak Power (Off Grid)	1.5 Times of rated power 10Sec
Rated output current(A)	83.3
Rated frequency (Hz)	50/60
Transfer Time(ms)	<10
THDu	<10%
Overload capacity	5s > 110%load; 10s >= 101%~110% load
PROTECTION & FEATURE	
Anti-island protection	Yes
Insulation monitoring	Yes
Residual current monitoring	Yes
Arc fault protection	Yes
Parallel function	Yes, Multiple
Other protection	AC Over-Current, AC Over-Voltage, Over Temperature Protection
GENERAL PARAMETER	
Efficiency (peak) MPPT	99.9%
Operating temperature range (°C)	-25°C~60°C, >45°C derating
Cooling	Smart Cooling
Relative humidity	5~95%(non-condensing)
Altitude	(>2000m Derating)
Dimensions W x H x D(mm)	537*833*295
EMC/Safety Regulation	IEC/EN 62109-1, IEC/EN62109-2, IEC/EN 61000-6-2, IEC/EN 61000-6-4
Insulation Resistor Detection	Yes
Self-consumption(W)	<5
DISPLAY AND COMMUNICATION	
Display	Touch screen
Interface	Standard:RS232,CAN&RS485; Optional:Wi-Fi,CT
Safety standard	EN/IEC62109-1,EN/IEC62109-2

Note: Product specifications are subject to change without further notice