

LenoX

3.0 SERIES
L-TP - HYBRID

PV 65000W

FIRST EUROPEAN
VERSION 14
PCBA BASED INVERTER

50 KW

L - TP - HYBRID ON & OFF GRID
INVERTER WITH ENERGY STORAGE

 **IP65**
PROTECTION
AGAINST DUST AND WATER



KEY SALIENT FEATURES

- ✓ COMPATIBLE WITH ALMOST ALL HIGH VOLTAGE - LIFEPO4 BATTERY PACK
- ✓ EXTERNAL LIGHT INDICATOR, LOGGING STATUS AT A GLANCE
- ✓ COLORFUL TOUCH LCD
- ✓ 6 TIME PERIODS FOR BATTERY CHARGING / DISCHARGING
- ✓ SUPPORT STORING ENERGY FROM DIESEL GENERATOR
- ✓ AC COUPLING TO RETROFIT EXISTING SOLAR SYSTEM
- ✓ PLUG AND PLAY, PICK POWER WITH-IN INVERTER, NO EXTERNAL POWER NEEDED, EASY TO INSTALL
- ✓ IP65 WATER-PROOF DESIGN, RESISTANT TO BAD WEATHER, ENHANCE STABILITY
- ✓ EXTERNAL DESIGN, EASIER TO REPLACE FAULTY EQUIPMENT
- ✓ END-USER CAN MONITOR YIELDS AT ANY TIME.
- ✓ 100% THREE PHASE UNBALANCED OUTPUT WITH EACH PHASE CAPABLE OF DELIVERING UPTO 50% OF THE RATED POWER.



Built-in Wi-Fi Configuration App
Ziewnic Inverter / PV Pro
Available iOS & Android



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%
Degree of protection	IP65
Operation 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