

LenoX

3.0 SERIES
L-TP - HYBRID

12 KW

48V-L-TP - HYBRID ON & OFF GRID
INVERTER WITH ENERGY STORAGE

PV 15600W

FIRST EUROPEAN
VERSION 14
PCBA BASED INVERTER

 **IP65**
PROTECTION
AGAINST DUST AND WATER



KEY SALIENT FEATURES

- ✓ COMPATIBLE WITH ALMOST ALL 48V-LIFEPO4 BATTERY PACK
- ✓ EXTERNAL LIGHT INDICATOR, LOGGING STATUS AT A GLANCE
- ✓ COLORFUL TOUCH LCD
- ✓ AC OUTPUT - THREE PHASE
- ✓ 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- 12KW-48 |
|----------------------------------|---|
| Rated Power | 12000W |
| PV INPUT | |
| Max.power(KW) | 15600 |
| Max.DC voltage(V) | 800 |
| MPPT voltage range(V) | 200-650 |
| Max.input current(Isc) | 32+18 |
| Max.input strings number | 2+1 |
| 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) | 40~63 |
| Max.charging voltage(V) | 63 |
| Max.charge/discharge current(A) | 240/240 |
| Battery Type | Lithium / Lead-acid / Tubuler |
| UPS OUTPUT | |
| Rated power (kw) | 12 |
| Peak Power (Off Grid) | 1.5 Times of rated power 10Sec |
| Rated output current(A) | 30 |
| 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) | 446*486*256 |
| 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