Lenox 3.0 SERIES

L-SP/ TP - HYBRID

PV 8000W
PV 10500W
PV 15600W

6 KW
8 KW
12 KW

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

KEY SALIENT FEATURES

- Compatible with almost all 48V - 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
- Enhance stability
- External design, easier to replace faulty equipment
- End-user can monitor yields at any time.

5 YEARS WARRANTY

Built-in WiFi Configration App
PV Pro
Available iOS & Android

PARALLEL UP TO 6 UNITS

MAX EFFICIENCY 98%

DUAL MPPT

SAFE

BATTERY COMMUNICATION FOR LITHIUM BATTERY

INTERNAL SPD

SUPPORT GENERATOR CONNECTION

HIGH POWER FACTOR

ZERO BUILT-IN ZERO EXPORT

190A SOLAR CHARGE

HIGH EFFICIENCY

TOUCH SCREEN BUTTONS

RS485 CAN

HIGH SURGE ENDURANCE

ZERO EXPORT

REMOTE MONITORING VIA APP

SMART LOAD MANAGEMENT

ZIEWNIC® Solar Energy

Lenox 3.0 SERIES

L-SP/ TP - HYBRID

PRODUCT DATA SHEET

MODEL	LENOX L-SP- 6KW-48	LENOX L-SP- 8KW-48	LENOX L-TP- 12KW-48
Rated Power	6000W	8000W	12000W
PV INPUT			
Max.power(KW)	8000	10500	15600
Max.DC voltage(V)	500	500	800
MPPT voltage range(V)	125 - 430	125 - 430	200 - 650
Max.input current(A)	20 + 20	26+26	26 + 13
Max.input strings number	1+1	2+2	2+1
AC OUTPUT (GRID-TIED)			
Grid voltage/range(V)	220/230V (Single Phase)		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)	135/135	190/190	240/240
Battery Type	Lithium / Lead-acid / Tubuler		
UPS OUTPUT			
Rated power (kw)	6	8	12
Peak Power (Off Grid)	2 Times of rated power 10Sec		
Rated output current(A)	27.2	36.3	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 (Optional)		
Parallel function	Yes, Multiple		
Other protection	AC Over-Current, AC Over-Voltage, Over Temperature Protection		
GENERAL PARAMETER			
Efficiency (peak)	99%		
Degree of protection	Class 1		
Operation temperature range (°C)	-40°C～60°C, >45°C derating		
Cooling	Smart Cooling		
Relative humidity	5～95%(non-condensing)		
Altitude	(>2000m Derating)		
Dimensions W x D x H(mm)	330*580*239	413*630*257.5	446*486*256
EMC/Safety Regulation	IEC/EN 62109-1, IEC/EN62109-2, IEC/EN 61000-6-2, IEC/EN 61000-6-4		
Isolation transformer	No		
Self-consumption(W)	<5		
DISPLAY AND COMMUNICATION			
Display	Touch screen		
Interface	Standard:RS232,CAN&RS485; Optional:WiFi,CT		
Safety standard	EN/IEC62109-1,EN/IEC62109-2		

Note: Product specifications are subject to change without further notice