

LenoX

3.0 SERIES
L-SP - HYBRID

PV 8000W
PV 10500W

FIRST EUROPEAN
VERSION 14
PCBA BASED INVERTER

6 KW
8 KW

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

 **IP65**
PROTECTION
AGAINST DUST AND WATER

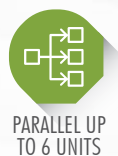


KEY SALIENT FEATURES

- ✓ COMPATIBLE WITH ALMOST ALL 48V - LIFEPO4 BATTERY PACK
- ✓ EXTERNAL LIGHT INDICATOR, LOGGING STATUS AT A GLANCE
- ✓ COLORFUL TOUCH LCD
- ✓ 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.



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



MODEL	LENOX L-SP- 6KW-48	LENOX L-SP- 8KW-48
Rated Power	6000W	8000W
PV Rated Power	7000W	10000W
PV INPUT		
Max.power(KW)	8000	10500
Max.DC voltage(V)	500	500
MPPT voltage range(V)	125 - 430	125 - 430
Max.input current(A)	20 + 20	26 + 26
Max.input strings number	1 + 1	2 + 2
AC OUTPUT (GRID-TIED)		
Grid voltage/range(V)	220/230V (Single 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
Battery Type	Lithium / Lead-acid / Tubuler	
UPS OUTPUT		
Rated power (kw)	6	8
Peak Power (Off Grid)	2 Times of rated power 10Sec	
Rated output current(A)	27.2	36.3
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 (Optional)	
Parallel function	Yes, Multiple	
Other protection	AC Over-Current, AC Over-Voltage, Over Temperature Protection	
GENERAL PARAMETER		
Efficiency (peak)	99%	
Degree of protection	IP65	
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
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:Wi-Fi,CT	
Safety standard	EN/IEC62109-1,EN/IEC62109-2	

Note: Product specifications are subject to change without further notice