



LenoX

3.0 SERIES
L-SP - HYBRID

100% LOAD STABILITY VERIFICATION

Introducing **Pakistan's** first IP65 Solar Hybrid Inverter, engineered to redefine durability, efficiency, and performance standards in the energy sector. Designed to seamlessly support all 48V LiFePO₄ battery systems, it ensures maximum compatibility and stable operation in every environment. A smart external status indicator and vibrant touch LCD provide instant, intuitive system monitoring for complete control at a glance.

Built with **14 High Quality PCBA** modules developed under the best European engineering standards, this inverter reflects world-class manufacturing excellence. Produced by one of the industry's leading global manufacturers, it delivers an exceptional 99.9% performance efficiency, ensuring maximum energy output with the lowest-cost energy storage solution in its category.

With six customizable charging and discharging time periods, diesel generator integration, and smooth AC coupling for upgrading existing solar systems, it offers total energy flexibility. Its true plug-and-play architecture simplifies installation, while the robust IP65 waterproof design guarantees protection against dust, rain, and harsh weather conditions.

Equipped with a powerful 190A solar charge controller, intelligent load management system, and built-in zero-export functionality, it provides precise energy control and real-time monitoring from anywhere.



5 Years Replacement Warranty

+ Life Time Repairable

10KW PV16000



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-SP- 10KW-48
Rated Power	10000W
PV INPUT	
Max.power(KW)	16000
Max.DC voltage(V)	500
MPPT voltage range(V)	125 - 430
Max.input current(A)	32 + 32
Max.input strings number	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)	190/190
Battery Type	Lithium / Lead-acid / Tubuler
UPS OUTPUT	
Rated power (kw)	10
Peak Power (Off Grid)	2 Times of rated power 10Sec
Rated output current(A)	45.4
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
Operating 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)	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