

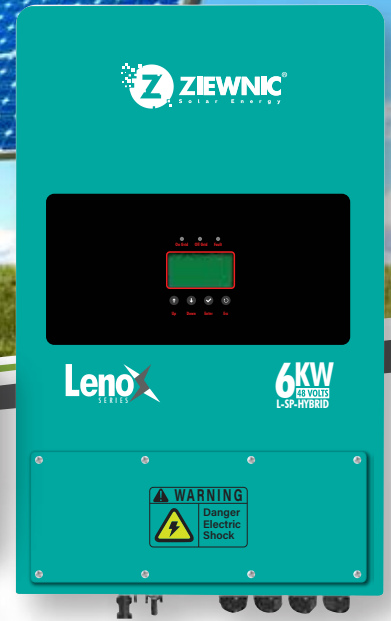
Leno

SERIES

PV 8000W
IP65 (PROTECTION)

6.0 KW

48V-L-SP-HYBRID
INVERTER WITH ENERGY STORAGE



KEY SALIENT FEATURES

- ✓ Compatible with all most all 48V - Life PO4 Battery Pack
- ✓ External light indicator, logging status at a glance.
- ✓ Plug and play, pick power within 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.



MAX EFFICIENCY
98%

IP 65
PROTECTION

DUAL
MPPT

SAFE

HIGH POWER
FACTOR

INTERNAL
SPD

SUPPORT GENERATOR
CONNECTION

PARALLEL UP
TO 16 UNITS

8000
WATTS

DUAL MPPT
SUPPORTS UPTO
800W SOLAR PANELS

140A

SOLAR
CHARGE

HIGH
EFFICIENCY

TOUCH SCREEN
BUTTONS

RS485
CAN

HIGH SURGE
ENDURANCE

ZERO EXPORT

MODEL	LENOX 6000 L-SP-HYBRID
PV Input (DC)	
Max. DC input power (W)	8000W
Max PV input voltage (V)	500V
Starting voltage	150V
PV input voltage range	150V-500V
MPPT voltage range	120V-430V
MPPT quantity	2
Max string quantity to each MPPT group	1
Max input current	18A/18A
Output/Input (AC)	
Rating output power	6000W
Maximum output apparent power	6000VA
Max output current	27A
Rating grid voltage	230V
Rating grid frequency	50HZ
Total current waveform distortion rate	<3%(Rating Power)
DC component	<0.5% In
Power factor range	>0.99@Full Power (Adjustable range 0.8 Lead~0.8 Lag)
Offgrid output	
Max output power	4500W
Rating output voltage	230V
Rating output frequency	50Hz (60Hz Optional)
UPS switching time	<20 ms
Total harmonic distortion (linear load)	<3^
Overload capacity	110%, 30S/120%, 10/150% 80 ms
Battery	
Voltage range	41.6V-58.5V
Max charging current	140A (PV & AC Hybrid Charging)
Max discharging current	140A
Battery type	Lithium Battery / Lead Battery
Communication interface	RS485/CAN
Efficiency	
Max efficiency	98%
European efficiency	97%
Max discharge efficiency	95%
MPPT efficiency	99.90%
System	
IP inclosure	IP65
Noise	<35dB
Ambient temperature	-25 C-60 C
Cooling mode	Natural cooling
Ambient humidity	0-95% non-condensing
Altitude	Node rating below2000m
Shutdown selfpower consumption	<3W
Display	LCD
Communication	RS485/USB/CAN/Wif(GPRSoptional)
Certificate	IEC62109-1, JEC62109-2, EN61000-6-1, EN61000-1-3VDE-AR-N4105,EN50549,G99,CEI-021 ASINZS4777.2.RD1699 (UNE206006IN:2011/UNE206007.11N:2013/UNE217002:20201
Warranty	5 Years (Standard) (TERMS AND CONDITION APPLY)
Mechanical	
SizeL *W*H	580mmx350mmx230mm
Install method	Wall mounted
Weight	23.5Kg

Note: Product specifications are subject to change without further notice