



- Pure sine wave inverter
- Output power factor 1
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Cold start function
- Parallel operation with up to 9 units



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LynX Off-Grid Inverter

MODEL	SMD LynX 5K	SMD LynX II 5K
Rated Power	5000VA/5000W	5000VA/5000W
Parallel Capability	Yes, 9 units	Yes, 9 units
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	10000VA	
Efficiency (Peak)	93%	90%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDCMax: 58VDC (optional 64VDC, please check with sales)	54 VDC
Overcharge Protection	60 VDC (optional 66VDC, please check with sales)	63 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	4000W	4500W
MPPT Range @ Operating Voltage	60 VDC~115 VDC	120 VDC~430 VDC
Maximum PV Array Open Circuit Voltage	145 VDC	450 VDC
Maximum Solar Charge Current	80 A	80 A
Maximum AC Charge Current	60 A	80 A
Maximum Charge Current	140 A	80 A
Maximum Efficiency	98%	
Standby Power Consumption	2 W	
PHYSICAL		
Dimension,DxWxH (mm)	120 x 295 x 468	
Net Weight (kgs)	13.5	11
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	0°C - 55°C	
Storage Temperature	-15°C - 60°C	

* Typical transfer time for parallel operation is 30ms.
Product specifications are subject to change without further notice.