

# LK 300W - 1500W

## Pure Sine Wave Inverter Controller LK Series

LK Series 300W - 1500W (1ph in / 1ph out)

### Key Features:

- Suitable for mains power unstable or often off, and important equipment that requires backup power.
- This product adopts high-precision DSP control chip, precise detection circuit, advanced control technology
- Intelligent temperature-regulating fan, efficient heat dissipation, extending system life. Pure sine wave output, Multiple working mode options
- Multiple electronic protections: short circuit protection, overvoltage and under voltage protection, overload protection, Overheat / short circuit automatic restart (automatic restart three times)
- wide frequency and wide voltage input, can be used for diesel / gasoline generator input.
- 3-Stage battery charger with configurable charging current
- 8 Pre-Set battery voltages including Lithium; User-defined option
- PWM Controller is Optional for Solar Model LKS Series



# Technical Specification:

Model	LK 300	LK 500	LK 700	LK 1000	LK 1200	LK 1500
Rated Power	300W	500W	700W	1000W	1200W	1500W
Peak Power	600W	1000W	1400W	2000W	2400W	3000W
AC Input Voltage Range	70V-135VAC / 80V-145V(110VAC/120VAC) 140V-275VAC / 150V-285V (220VAC / 230VAC )					
Input Frequency Range	45-65Hz					
Battery Voltage	12VDC / 24VDC					24VDC
DC Voltage	12VDC:10.5-15VDC / 24VDC:21-30VDC					
Battery Under Voltage Alarm	10.5VDC / 21VDC					
Battery Under Voltage Protection	10VDC / 20VDC					
Battery Voer Voltage Protection	17V ±0.5V / 34V±0.5V					
Voltage Over Voltage Alarm	15V-16VDC / 30V-32VDC					
Overload Protection	Rated Power of 110% or More					
Temperature Protection	≥85°C Alarm, ≥90°C off the Machine					
Inverter Output Voltage	110VAC / 120VAC / 220VAC / 230VAC ±2%					
Inverter Output Frequency	50 / 60Hz ±10%					
Inverter Output Waveform	Pure Sine Wave					
AC Output Voltage Range	AVR Output 110VAC / 120VAC / 220VAC / 230VAC ±10%					
Output Frequency Range	Automatic Tracking					
Conversion Time	5ms-10ms					
Cooling method	Intelligent Fan Control, ≤42°C Fan Slow Working, ≥45°C Fan High Working					
AC Charging Current	10A / 20A / 30A					
Working Mode Selection	<p>Free to Choose(SET)</p> <p>01: AC priority / city power priority: when city power is available, the inverter will work AC output, city power will supply power to appliances. the city power charges power to battery. when city power failed, will use battery power to take the appliances.</p> <p>02: Energy saving mode load power ≤10% off the machine, ≥11% -100% turn on</p> <p>03: Battery priority when it have has battery power, battery supply power to the appliances. When battery voltage ≤10.5V, inverter will automation use city power to take the appliances, When battery voltage reach 13V inverter will use battery power.</p>					
Communication Port	RS485 / WIFI (Optional)					
Temperature	- 10°C ~ +50°C					
Humidity	10% ~ 90%					
External Size(mm) D*W*H	287*295*135mm					
Packing Size(mm) D*W*H	370*380*450(2pcs)					
Net Weight(kg)	5	6	6.5	7.5	8.5	9.5
Cross Weight(kg)(2pcs)	11	12	15	18	19	20
*Product Specifications are Subject to Change Without Notice.						