

Su-Kam

PERFECT FUSION
OF EFFICIENCY, INTELLIGENCE, AND SUSTAINABILITY.

ALL IN ONE 5KW



Step into the future of power with the Su-Kam All in One 5kW Inverter — a seamless blend of technology, efficiency, and design. Crafted to deliver unmatched performance, this advanced inverter intelligently manages solar, battery, and grid power to ensure your world never stops.

With superior reliability and next-gen smart control, it's more than just an inverter — it's your gateway to sustainable living.

ALL IN ONE 5KW

TECHNICAL SPECIFICATIONS	
Model Name	LI ESS ALL IN ONE 5KW
Load in watts	5000 Watt
Type	Pure Sine Wave Home UPS
Technology	DSP based technology using MOSFET
INPUT PARAMETERS	
Input Supply	1 Phase, 3 Wire
Input Voltage (Inverter mode)	154-264VAC $\pm$ 3V
Input Voltage (UPS Mode)	185V to 265VAV $\pm$ 3V
Frequency Range	50Hz $\pm$ 0.1%
OUTPUT PARAMETERS	
Output Voltage	230VAC $\pm$ 5%
Output Frequency	50.0 Hz. $\pm$ 0.1 Hz
Output Waveform	Pure Sine Wave
Conversion Efficiency (Maximum)	94%
Peak Power	11000VA for 3ms
Switching Time	10ms (computer equipment), 20ms (home appliances)
SOLAR CHARGING AND MAINS CHARGING	
Solar Charging Method	MPPT
PV Maximum Input Power	5000W
MPPT Input Voltage Range	120-500Vdc
Maximum PV Charging Current	100A
Maximum AC Charging Current	50A
Maximum Charging Current	100A
BATTERY PARAMETERS	
Battery Capacity	5120WH
Battery Voltage	51.2VDC
Battery Type	Lithium Iron Phosphate (LifePo4)
Full Charge Voltage (FC)	56V
Full Discharge Voltage (FD)	46.4V
Maximum Continuous Discharge Current	80A(0.8C)
Protection	Smart BMS
Charging Voltage	56V
Charging Current (Recommended)	50A(0.5C)
Charging Current (Maximum)	70A
Operating Temperature	0-45°C
Storage Temperature	-10 - 60°C
Operating Environment Humidity	20%-90% Non Condensing
PHYSICAL PARAMETERS	
Display	LCD Display
Communication Protocol	RS232/CAN
Parallel Interface	Supported
Noise	<50dB
Placement	Wall Mount
Product Dimensions	(L)510 x (W)225 x (H)1005
Product Weight	70 kg