

HOUSEHOLD PHOTOVOLTAIC ENERGY STORAGE MACHINE

KNY5000S/KNY11000S



- APP Real-time monitoring
- System Security
- Multiple Power Supply Modes
- Can be expanded according to the needs of use flexible expansion
- Voltage Adjustable



Stable Power Supply



Precise Management



High Utilization



Long Product Life

Model	51100KNY	51300KNY
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MODEL	KNY5000S	KNY11000S
Rated power	5000VA/5000W	11000VA/11000W

INPUT	
Input Voltage	230VAC
Voltage range	170-280VAC(UPS mode) 90-280VAC(Inverter mode)
Frequency Range	50HZ/60HZ(auto adapt)

OUTPUT	
Output Voltage	230VAC+5%(inverter mode)
Peak Power	10000VA
Conversion Efficiency	94%
Output Frequency	50/60HZ+0.1%(inverter mode)
Switching Time	10MS (computer equipment), 30MS (household appliances)
Output Waveform	Sine wave

PHYSICAL PARAMETERS		
Inverter Size	610*370*170	690*550*250
Inverter weight	17.8kg	34.8kg

CHARGE		
Solar Charging Method	MTTP	
PV Maximum Input Power	5000W	2*5500W
MPPT Input Voltage Range	60-500VDC	90-500VDC
Maximum PV Charging Current	100A	150A
Maximum AC charging current	80A	150A
Maximum Charging current	100A	150A

BATTERY		
Battery Model	51100KNY	51300KNY
Battery Capacity	5120Wh(5.12kWh)	15360Wh(15.36kWh)
Battery Voltage	51.2VDC	51.2VDC
Battery Type	LIFEPO4	
Full Charge Voltage(FC)	58.4V	
Full Discharge Voltage(FD)	44	
Max Continuous Discharge Current	100A	200A
Protection	BMS Circuit breaker	
Recommended Charging Current	50A(0.5C)	100A(0.5C)
Max Charging Current	100A	200A

PHYSICAL PARAMETERS		
Battery Size	610*490*170	690*650*250
Battery weight	48.7KG	137KG