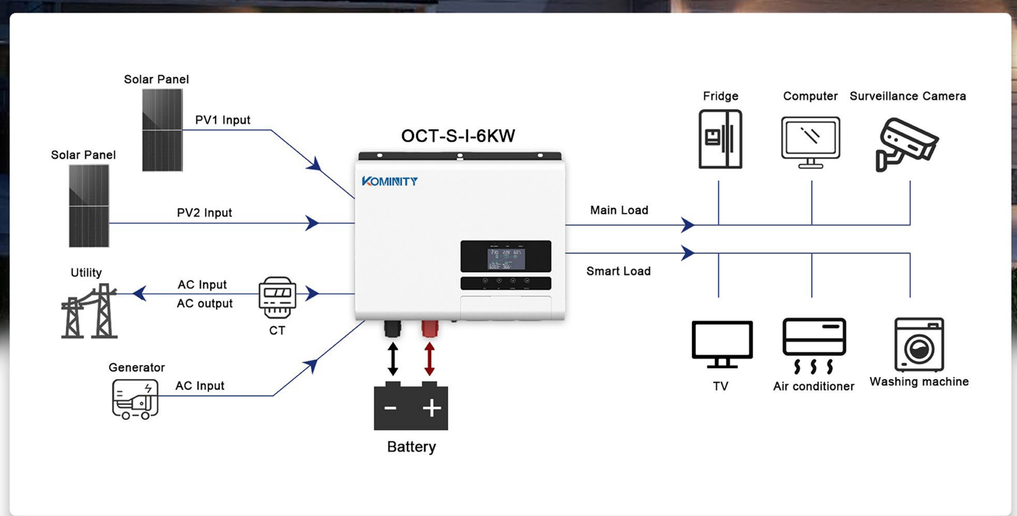
Hybrid Solar Inverter

OCT-S-I-6KW

- Dual outputs for smart load management
- Rated power at 6KW, power factor 1.0
- Max Inverter Efficiency 96.5%
- No-Load Loss ≤ 45w
- Parallel Operation up to 9 units
- 2 strings of MPPT
- Max PV array power 9000 watt
- 65V-450V wide-range PV input operating voltage
- The built-in ATS can automatically switch between generator power and mains power input
- The working duration of the generator and the charging current can be set



Modle	OCT-S-I-6KW
AC Output(Off Grid)	
Rated Power	6KW/6KVA
Surge Power	12KW/12KVA
Parallel Option	9Pcs
AC Output Voltage	208/220/230/240Vac(Settable)
Rated AC Output Frequency	50Hz / 60Hz (Auto detection)
Max Bypass Output Current	40A
AC Output Interface	Load+Smart Load
Max Inverter Efficiency	96.5%
Transfer Time	<20ms@Single, <30ms @ Parallel
Output Waveform	Pure Sine Wave
Power Factor	1
No-Load Loss	<45W@Rate Voltage
AC Output (On Grid)	
Rated Power	6KW/6KVA
Power Factor	0.8 leading to 0.8 lagging
Rated Voltage	230Vac
Rated Grid Frequency	50Hz
Max Output Current	27A
THD	< 5%
PV Input	
Type Of PV Array Input Terminal	Screw-type terminal block
Number Of MPPT Trackers	2
Max PV Input Power	4500W*2
Max PV Array Open Circuit Voltage	500Vdc
Rated Input Voltage Of Photovoltaic System	350Vdc
Max PV Input Current	18.5A*2
Startup Voltage	100Vdc ±10Vdc
MPPT Voltage Range	65Vdc-450Vdc
Battery	
Compatible Battery Types	Lead-acid、Lithium battery
Rated Battery Voltage	48Vdc
Battery Voltage Range	38.4Vdc-60Vdc
Minimum Cold Start Battery Voltage	46Vdc
Battery Overcharge Protection Voltage	60Vdc
Max Solar Charging Current	100A
Max AC Charging Current	80A
Max Charging Current(PV+AC)	100A
Max Charging Power	5840W
MPPT Charging Efficiency	99.9%
Activate The Lithium Battery Function	PV+AC
Mechanical Specifications	
Inverter Dimensions	395*320*130mm
Packing Measurements	475*440*205mm
Net Weight	10KG
Gross Weight	11KG
Communication Interface	USB / CAN / RS485 / CT
Monitoring Option	WiFi Module
Quality Guarantee	3 Years
Environment	
Protection Degree	IP20
Humidity	5%~95% relative humidity (non-condensing)
Altitude	<2000 Meters
Operating Temperature	-10℃~50℃
Storage Temperature	-15℃~60℃
Noise	<60dB
Type Of Cooling	Fan
Certificate	CE, Compliant with NRS097/EN50549-1/ EN50549-10 and other certification standards