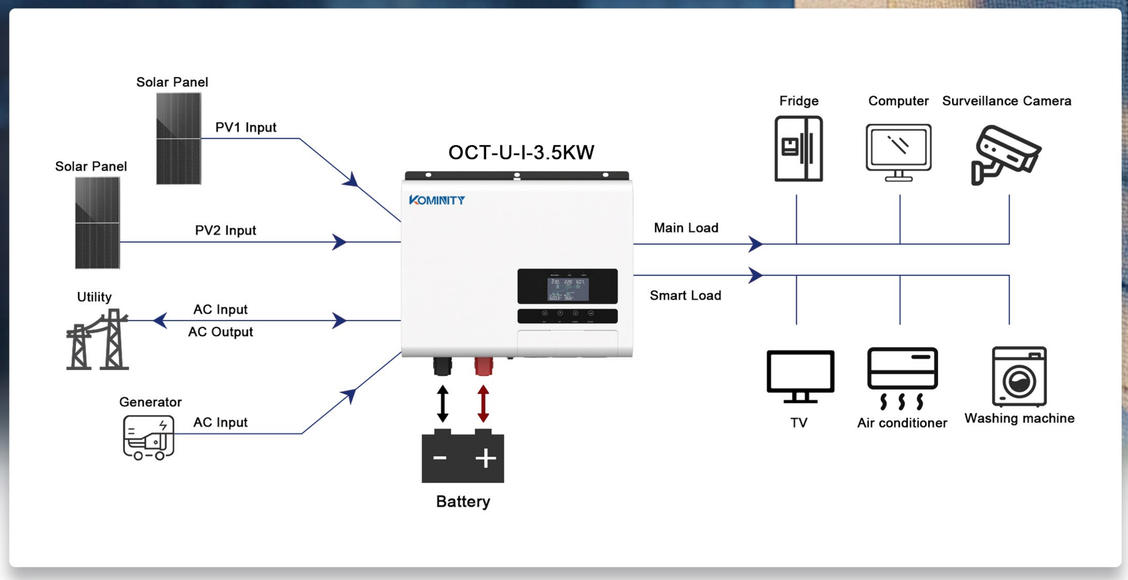
Hybrid Solar Inverter

OCT-U-I-3.5KW

- Built-in dual MPPT.
- Double PV input power of rated AC output.
- Up to 9 units can be paralleled.
- 3-years warranty.
- Intelligent dual AC outputs.
- Hybrid load support capability.
- Dedicated generator input interface.
- No-load power consumption < 35W.



Modle	OCT-U-I-3.5KW-24	OCT-U-I-3.5KW
AC Output		
Rated Power	3.5KW/3.5KVA	
Surge Power	7KW/7KVA	
Parallel Option	9Pcs	
AC Output Voltage	120Vac	
Rated AC Output Frequency	50Hz / 60Hz (Auto detection)	
Max Bypass Output Current	40A	
AC Output Interface	Load+Smart Load	
Peak Efficiency	93%（BAT/AC）	
Transfer Time	<20ms@Single,<30ms @ Parallel	
Output Waveform	Pure Sine Wave	
Power Factor	1	
No-Load Loss	<35W@Rate Voltage	
AC Output (On Grid)		
Rated Power	3.5KW/3.5KVA	
Power Factor	0.8 leading to 0.8 lagging	
Rated Voltage	120Vac	
Rated Grid Frequency	60Hz	
Max Output Current	29.2A	
THD	＜5%	
PV Input		
Type Of PV Array Input Terminal	Screw-type terminal block	
Number Of MPPT Trackers	2	
Max PV Input Power	3.5KW*2	
Max PV Array Open Circuit Voltage	325Vdc	
Rated Input Voltage Of Photovoltaic System	190Vdc	
Max PV Input Current / Per String	18.5A*2	
Startup Voltage	80Vdc	
MPPT Voltage Range	65-280Vdc	
Battery		
Compatible Battery Types	Lithium battery, lead-acid battery	
Rated Battery Voltage	24Vdc	48Vdc
Battery Voltage Range	19.2Vdc~30Vdc	38.4Vdc~60Vdc
Minimum Cold Start Battery Voltage	23Vdc	46Vdc
Battery Overcharge Protection Voltage	30Vdc	60Vdc
Max Discharging Current	140A	82A
Max Solar Charging Current	100A	60A
Max AC Charging Current	80A	40A
Max Charging Current (PV+AC)	100A	60A
Max Charging Power	2900W	3500W
MPP tracking efficiency	99.9%	
Activate the lithium battery function	Yes, PV+AC	
Mechanical Specifications		
Inverter Dimensions	387*282*133mm	
Packing Measurement	475*440*203mm	
Net Weight	9.1kg	
Gross Weight	10.5Kg	
Communication Interface	USB / CAN /RS485	
Monitoring Option	WiFi Module	
Quality Guarantee	3 years	
Environment		
Protection Degree	IP20	
Humidity	5%~95% non-condensing	
Altitude	<2000 Meters	
Operating Temperature	-10℃~50℃	
Storage Temperature	-15℃~60℃	
Noise	＜60db	
Type Of Cooling	Fan	
Certificate	UL 1741、FCC	