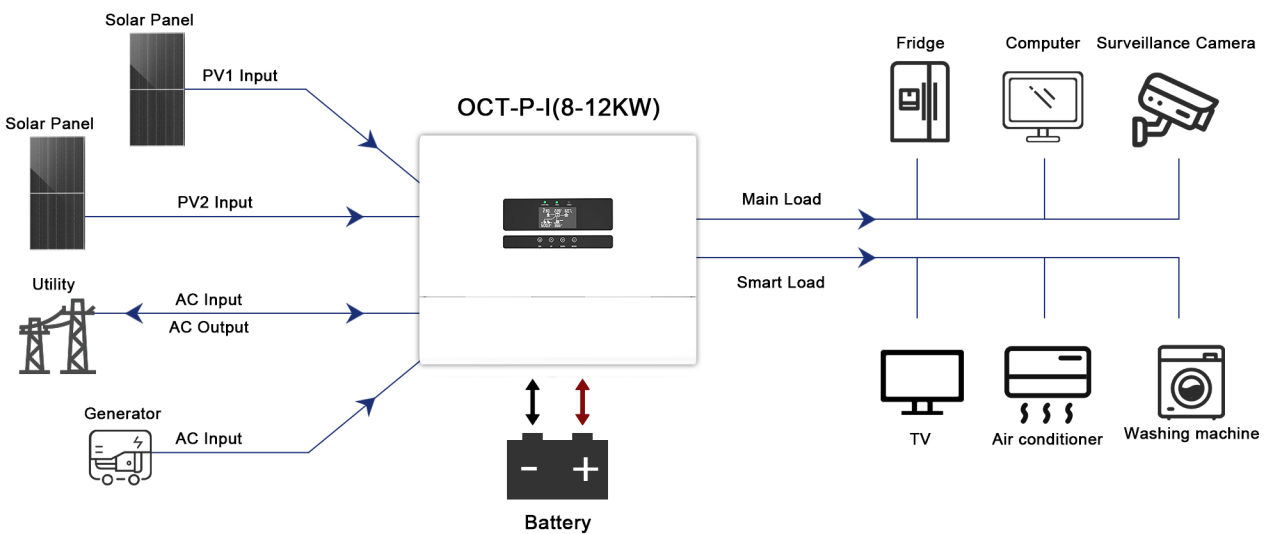
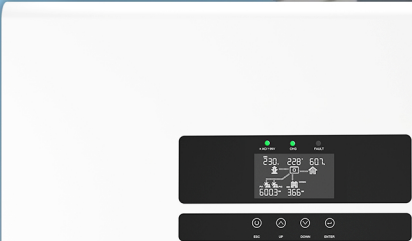


# Hybrid Solar Inverter

## OCT-P-I(8-12KW)

- Full-power single- & split-phase.
- Integrated design.
- Built-in dual MPPT.
- PV input power is 1.5 times the AC rating.
- Up to 9 units can be paralleled.
- 3-years warranty.
- Intelligent dual AC outputs.
- Hybrid load support capability.
- Dedicated generator input interface.



| Modle                             | OCT-P-I-8KW                                                                                                                 | OCT-P-I-10KW                       | OCT-P-I-12KW                        |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------------|
| AC Output（Off Grid）               |                                                                                                                             |                                    |                                     |
| Rated Power                       | 8KW/8KVA                                                                                                                    | 10KW/10KVA                         | 12KW/12KVA                          |
| Surge Power                       | 16KW/16KVA                                                                                                                  | 20KW/20KVA                         | 24KW/24KVA                          |
| Parallel Option                   | 9PCS                                                                                                                        |                                    |                                     |
| AC Output Voltage                 | Single Phase: 100V/110V/120V/127V 、 Split Phase: 120V/240V<br>2/3 Phase: 127V/220V 、 Parallel Mode Three-Phase: 120V/208V   |                                    |                                     |
| Rated AC Output Frequency         | 50Hz / 60Hz (Auto detection)                                                                                                |                                    |                                     |
| Max Bypass Output Current         | 70Amp（Single Phase: 120A）                                                                                                   |                                    |                                     |
| Max Inverter Efficiency           | 96.5%（PV/AC）                                                                                                                |                                    |                                     |
| Transfer Time                     | <20ms@Single,<30ms @ Parallel                                                                                               |                                    |                                     |
| Output Waveform                   | Pure Sine Wave                                                                                                              |                                    |                                     |
| No-Load Loss                      | <75W@Rate Voltage                                                                                                           |                                    |                                     |
| AC Output（On Grid）                |                                                                                                                             |                                    |                                     |
| Rated Power                       | 8KW/8KVA                                                                                                                    | 10KW/10KVA                         | 12KW/12KVA                          |
| Power Factor                      | 0.8 leading to 0.8 lagging                                                                                                  |                                    |                                     |
| Rated Voltage                     | Single Phase: 100V/110V/120V/127V 、 Split Phase: 120V/240V 、<br>2/3 Phase: 127V/220V 、 Parallel Mode Three-Phase: 120V/208V |                                    |                                     |
| Rated Grid Frequency              | 50Hz/60Hz（Auto detection）                                                                                                   |                                    |                                     |
| Max Output Current                | 34A(Split Phase) 67A(Single Phase)                                                                                          | 42A(Split Phase) 84A(Single Phase) | 50A(Split Phase) 100A(Single Phase) |
| PV Input                          |                                                                                                                             |                                    |                                     |
| Number Of MPPT Trackers           | 2                                                                                                                           |                                    |                                     |
| Max PV Input power                | 6000W*2                                                                                                                     | 7500W*2                            | 9000W*2                             |
| Max PV Array Open Circuit Voltage | 550Vdc                                                                                                                      |                                    |                                     |
| Max PV Input Current              | 27A*2                                                                                                                       |                                    |                                     |
| Startup Voltage                   | 75Vdc                                                                                                                       |                                    |                                     |
| MPPT Voltage Range                | 65~500Vdc                                                                                                                   |                                    |                                     |
| Battery                           |                                                                                                                             |                                    |                                     |
| Compatible Battery Types          | Lead-acid、Lithium battery                                                                                                   |                                    |                                     |
| Rated Battery Voltage             | 48Vdc                                                                                                                       |                                    |                                     |
| Battery Voltage Range             | 38.4Vdc~60Vdc                                                                                                               |                                    |                                     |
| Cold Start Battery Voltage        | 46Vdc                                                                                                                       |                                    |                                     |
| Max Solar Charging Current        | 190A                                                                                                                        | 220A                               | 250A                                |
| Max AC Charging Current           | 190A                                                                                                                        | 220A                               | 250A                                |
| Max Charging Current (PV+AC)      | 190A                                                                                                                        | 220A                               | 250A                                |
| MPP tracking efficiency           | 99.9%                                                                                                                       |                                    |                                     |
| Protection                        |                                                                                                                             |                                    |                                     |
| Over Current/Voltage Protection   | Yes                                                                                                                         |                                    |                                     |
| Anti-islanding Protection         | Yes                                                                                                                         |                                    |                                     |
| AC Short-Circuit Protection       | Yes                                                                                                                         |                                    |                                     |
| Leakage Current Protection        | Yes                                                                                                                         |                                    |                                     |
| Ground Fault Monitoring           | Yes                                                                                                                         |                                    |                                     |
| Grid Monitoring                   | Yes                                                                                                                         |                                    |                                     |
| DC Surge Protection OVC II        | Yes                                                                                                                         |                                    |                                     |
| AC Surge Protection OVC III       | Yes                                                                                                                         |                                    |                                     |
| Mechanical Specifications         |                                                                                                                             |                                    |                                     |
| Inverter Dimensions               | 520*436*142mm                                                                                                               |                                    |                                     |
| Packing Measurements              | 607*523*231mm                                                                                                               |                                    |                                     |
| Net Weight                        | 19.7KG                                                                                                                      | 19.8KG                             | 20KG                                |
| Gross Weight                      | 22.7KG                                                                                                                      | 22.8KG                             | 23KG                                |
| Communication Interface           | USB/CAN/RS485/CT                                                                                                            |                                    |                                     |
| Monitoring Option                 | WiFi Module                                                                                                                 |                                    |                                     |
| Warranty                          | 3 years                                                                                                                     |                                    |                                     |
| Environment                       |                                                                                                                             |                                    |                                     |
| Protection Degree                 | IP20                                                                                                                        |                                    |                                     |
| Humidity                          | 5%~95% non-condensing                                                                                                       |                                    |                                     |
| Altitude                          | <2000 Meters                                                                                                                |                                    |                                     |
| Operating Temperature             | -10℃~50℃                                                                                                                    |                                    |                                     |
| Storage Temperature               | -15℃~60℃                                                                                                                    |                                    |                                     |
| Noise                             | <60dB                                                                                                                       |                                    |                                     |
| Certificate                       | UL 1741、FCC                                                                                                                 |                                    |                                     |