# TOMMATECH C PLUS NEO SERIES SINGLE-PHASE INVERTER
10kW




Single-Phase Inverter

## C Plus Neo Series

10kW

*Easy. Safe. Efficient.*

- Expandable System of Up to 12 Units
- Pure Sine Wave Output
- Dual Load Output
- Single-Phase AC Output
- Generator Support
- Ultra-Low No-Load Consumption
- Remote Monitoring
- BMS Communication
- Dust & Moisture Protective Coating
- IP52 Protection
- 2-YEAR Warranty




### TommaTech C Plus Neo 10K 48V MPPT LV

The TommaTech C Plus Neo 10K 48V MPPT LV is a powerful and compact single-phase off-grid inverter designed for residential and commercial applications. With 10000 W rated power, 20000 VA surge capacity and pure sine wave output, it reliably powers high-demand loads. Its dual MPPT design supports up to 13000 W of PV input, while the 150 A charging current ensures fast and efficient battery charging. The dual load output enables smart load management, and parallel operation of up to 12 units allows the system to be easily expanded. With its 30% slimmer housing, IP52 protection, live firmware update (LFU) and remote monitoring via TommaTech Cloud, it delivers a reliable energy solution.



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# TOMMATECH C PLUS NEO SERIES SINGLE-PHASE INVERTER
10kW

CE

| | TOMMATECH C PLUS NEO 10K 48V MPPT LV |
|---|---|
| **MODEL** | |
| Rated Power | 10000 VA / 10000 W |
| Parallel Operation | Up to 12 Units |
| **AC INPUT** | |
| Nominal Voltage | 230 VAC |
| Selectable Voltage Range | 170 - 280 VAC (For Personal Computers), 90 - 280 VAC (For Home Appliances) |
| Frequency Range | 50 Hz / 60 Hz (Auto Sensing) |
| **OUTPUT** | |
| AC Voltage Regulation (Battery Mode) | 230 VAC ± 5% |
| Surge Power [VA] | 20000 VA |
| Efficiency (Peak) | 93% |
| Transfer Time | 10 ms (For Personal Computers), 20 ms (For Home Appliances) |
| Waveform | Pure Sine Wave |
| **BATTERY** | |
| Battery Voltage | 48 VDC |
| Floating Charge Voltage | 54 VDC |
| Overcharge Protection | 63 VDC |
| **SOLAR CHARGER & AC CHARGER** | |
| Solar Charger Type | MPPT |
| Max. PV Array Open Circuit Voltage [V] | 500 VDC |
| Max. PV Array Power [W] | 13000 W (6500 W × 2) |
| MPPT Operating Voltage Range [V] | 90 ~ 450 VDC |
| Max. Solar Charging Current [A] | 150 A |
| Max. AC Charging Current [A] | 150 A |
| Max. PV Input Current [A] | 30 A × 2 (Max. 45 A) |
| **PHYSICAL SPECIFICATIONS** | |
| Dimensions (D × W × H) mm | 107.4 × 420 × 506 mm |
| Net Weight | 17.7 kg |
| Communication Interface | USB / RS232 / RS485 / Wi-Fi / Dry Contact |
| **OPERATING ENVIRONMENT** | |
| Humidity | 5% to 95% Relative Humidity (Non-Condensing) |
| Operating Temperature | -10°C ~ +50°C |
| Storage Temperature | -15°C ~ +60°C |
| Protection Rating | IP52 |
| **STANDARDS** | |
| Compliance | CE |
| **WARRANTY** | |
| Product Warranty | 2 Years |



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