

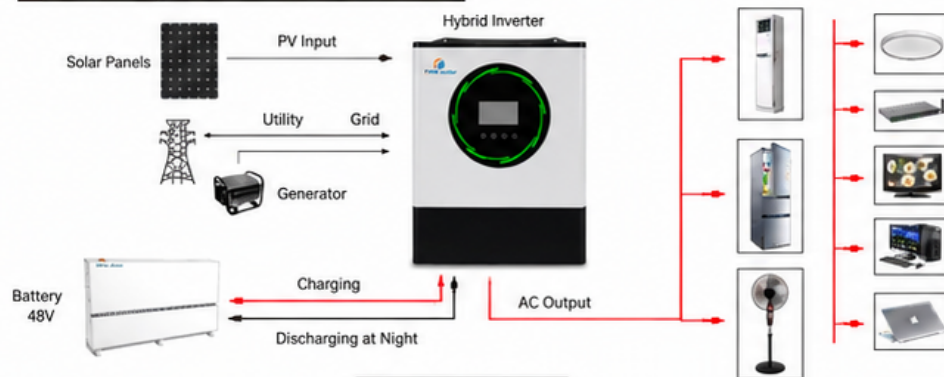
Tyon+C

Hybrid Single Phase Inverter

Key Features

- Multiple communications: USB/RS232/RS485/Dry contact/WiFi
- Built-in dual MPPT trackers (2*27A)
- Three operating modes: Grid-tie/Off-grid/Hybrid
- Pure sine wave output
- Supports 11kW peak power to drive inductive loads
- Equipped with BMS (Battery Management System), supports LiFePO4 battery communication
- Battery operation without utility power
- Supports up to 6 units in parallel
- Multi-function LCD display
- RGB LED indicator
- WiFi monitoring (built-in WiFi or external WiFi)
- Dual AC output (L1/L2)

Solar System Connection



Battery Required for Parallel Function

We can provide customers with complete solar system solutions according to their needs.

Tyon+C Hybrid Single Phase Inverter

Specification

Model	Tyon+C1	Tyon+C2
Basic Parameters		
Rated AC Output Power	8200W	11000W
PV Input (DC)		
Max. DC Input Voltage / Max. DC Voltage	360VDC/450VDC	
Start-up Voltage / Rated DC Voltage	80VDC	120VDC
MPPT Voltage Range	90-450VDC	
MPPT Maximum Input Current/ Max. Short-circuit Current	27A*2 (Max. 40A)	
Max. PV Input Power	12000W(6000W*2)	12000W(6000W*2)
AC Output (On-grid)		
Rated Output Voltage	220Vac/230Vac/240Vac, single phase	
Output Voltage Range	184V-265Vac or 195-253V (adjustable)	
Rated Output Current	40A (Max., first output current)	47.8A
Power Factor	>0.9	
Efficiency		
Max. Efficiency (DC/AC)	96%	
AC Input (On-grid)		
AC Input Voltage Range / Rated Input Voltage	120Vac-140Vac/180Vac	
Max. AC Input Current	90-280Vac or 170-280Vac	
Battery Input (DC)	60A	60A
AC Output		
Rated Output Voltage	220Vac/230Vac/240Vac	
Efficiency (On-grid)	Pure Sine Wave	
Battery Charging	93%	
Battery		
Battery Voltage	Lead-acid / VRLA / AGM / Deep Cycle / Lithium / LiFePO4	
Maximum Charging Current	48Vdc	
Maximum AC Charging Current	150A	150A
Maximum AC Discharging Current	150A	150A
Maximum PV Charging Current	150A	150A
General Parameters		
Product Dimensions (L*W*H, mm)	552*422*152	552*422*152
Net Weight (kg)	18.8	19.1
Gross Weight (kg)	20.9	21.3
Packaging Dimensions (L*W*H, mm)	700mm*510*mm*232mm,1PC/CTN	696mm*567mm*243mm,1PC/CTN
Units per Carton	1 unit	1 unit
Communication Interface	RS232, USB, WiFi	RS232, USB, WiFi
Environmental Parameters		
Humidity	Relative humidity 5% to 95% (non-condensing)	
Operating Temperature	-10°C—50°C	
Storage Temperature	-15°C—60°C	



No.197, North 2nd Road,
Development Zone,
Shihezi City, Xinjiang, China

18703004041
19309931666

