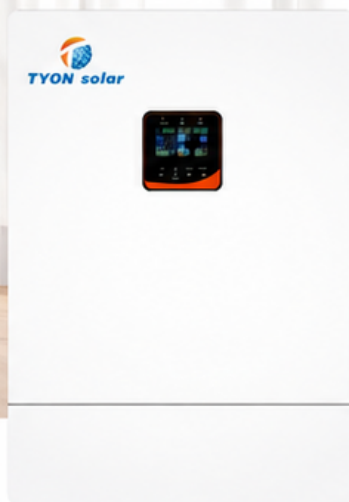


Tyon+L

Hybrid Three-Phase Inverter



Product Introduction

This series of products is a new generation of all-in-one energy storage inverters for photovoltaic storage, grid storage, and off-grid storage scenarios.

The product adopts DSP control and advanced control algorithms, featuring high response speed, high reliability, and high industrial standard design. It has advantages such as photovoltaic priority, grid priority, and off-grid. There are multiple working modes available, and it can be used in photovoltaic storage, grid storage, and off-grid storage scenarios to meet various application needs.

Performance Features

Three Output Modes

When the grid is available, it can supply power to the load, charge the battery, and prevent backfeed to the grid. It can also be set to off-grid mode.

Four Charging Modes

PV priority charging, grid priority charging, PV and grid hybrid charging, and PV-only charging.

Emergency Function

Supports battery and unit PV power supply, with off-grid output and selectable charging function.

Local and APP Cloud Communication

Local machine and APP cloud can view system running data in real time, and can also modify system operating data and running parameters.

Protection Function

Complete hardware and software protection functions, fault type display and convenient troubleshooting.

Tyon+L Hybrid Three-Phase Inverter

Technical Specifications

Model	Tyon+L1		Tyon+L2	Tyon+L3
AC Output				
Rated Output Power (W)	8000		10000	12000
Maximum Output Power (W)	8000		10000	12000
Maximum AC Power (W)	16000		20000	24000
Battery Voltage (V)	5		6	6HP
AC Output	400VAC, three-phase, 50/60Hz			
Output Waveform	Pure sine wave			
Inverter and Bypass Switching Time (ms)	10 (typical)			
Maximum Inverter Efficiency	≥ 93%			
Overload Protection	102%~110%, 5min; 110%~125%, 10s; >125%, 2s			
Battery				
Battery Type	Lithium battery / Lead-acid battery / User-defined			
Rated Battery Voltage (VDC)	48			
Battery Voltage Range (VDC)	40~60			
Maximum Charging Current (A)	100		120	120
Maximum Discharging Current (A)	180		220	260
Maximum Charging Current (ADC)	± 3			
Battery Charging Protection	Reverse connection protection			
PV Input				
MPPT Quantity	2			
Maximum PV Input Power (W)	6000+6000		7500+7500	9000+9000
Maximum PV Input Current (A)	22+22			
Maximum PV Input Voltage (VDC)	800			
MPPT Operating Voltage Range (VDC)	200~650			
MPPT Efficiency	99.9%			
Grid Input				
Input Voltage Range (VAC)	Phase voltage 170~280, line voltage 305~485			
Grid Frequency (Hz)	50/60±0.3			
Output Overcurrent Protection	Circuit breaker			
Bypass Overcurrent Protection (A)	63			
General				
Dimensions (W*H*D) (mm)	130*445*630			
Weight (kg)	27			
Ingress Protection	IP20			
Operating Ambient Temperature (°C)	-10~55			
Storage Temperature (°C)	-25~60			
Noise (dB)	<60			
Cooling Method	Forced air cooling (fan adjustable)			
Communication				
Communication Interface	RS485/CAN/USB/WiFi			
External Module	WiFi/GPRS			
Certification				
Safety	CE(IEC62109-1)			
EMC	EN61000			

Note: The above data are for reference only. If there are any changes without prior notice, the actual product shall prevail.



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