12KW

TXIWP12-3P

Solar storage inverter

Efficiency
- Advanced MPPT technology with up to 99.9% efficiency.
- 2 MPPT up to 22A + 22A PV input current.

Safety
- Comprehensive security from hardware to software.
- IEC & multiple safety approvals.

All in one
- Up to 260A hybrid charging current.
- Supports mutiple BMS communication protocols.

Reliable
- Outputs high-quality pure sine wave 3-Phase AC power.
- IP65 protection degree.

User-Friendly
- Industrial design with a modern aesthetic look.
- Easy to install and simple to use.

Intelligent
- Exclusive LifePO4 battery BMS dual activation.
- Time-slot function to save cost with peak-valley.

Telecom

Farm   House

Countryside   Island   Pasture

Application scenarios

WWW.temax-solar.com

MODEL	TXIPW12-3P	Can Be Set
INVERTER OUTPUT		
Rated Output Power	12,000W	
Max.Peak Power	24,000VA	
Rated Output Voltage	230/400Vac , Three-phase	✓
Load Capacity of Motors	6HP	
Output Frequency	50/60Hz	
Number of Parallel	1～6 units	
AC OUTPUT（ON-GRID）		
Rated Output Power	12,000W	
Max. Apparent Power	12,000VA	
Rated AC output phase current	17.4Aac	
Rated Output Voltage	230/400Vac	
THDI	< 3%	
Power Factor	0.8 leading to 0.8 lagging	
Frequency	50/60HZ	
BATTERY		
Battery Type	Lead-acid / LifePO4 / User Defined	✓
Rated Battery Voltage	48V	
Battery Voltage Range	40～60Vdc	
Max. Generator Charging Current	120A	
Max. Grid Charging Current	120A	
Max. Hybrid Charging Current	260A	✓
PV INPUT		
Num. of MPPT Trackers	2	
Max.PV Array Power	9,000W+9,000W	
Max. Input Current	22A+22A	
Max.PV Isc	37A+37A	
Max.Voltage of Open Circuit	800Vdc+800Vdc	
MPPT Voltage Range	200-650Vdc	
MAINS/GENERATOR INPUT		
Input Voltage Range	Phase voltage 170–280Vac, line voltage 305–485Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	35A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Efficiency	97.5%	
European Efficiency	97.5%	
GENERAL		
Dimensions	700*440*260mm	
Weight	39.2kg	
Protection Degree	IP65	
Operating Temperature Range	-25~60℃,>45℃ derated	
Humidity range	0～100%	
Cooling Method	Forced air cooling	
COMMUNICATION		
Embedded Interfaces	RS485/CAN/USB/Dry contact	✓
External Modules（Optional）	Wi-Fi / GPRS	✓
CERTIFICATION		
On-grid standard	EN50549,VDE4105	
Safety	IEC62109-1, IEC62109-2	
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B	
Rohs	Yes	