



12kw

TXIWP12

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 200A hybrid charging current.
- Supports mutiple BMS communication protocols.

Reliable

- Outputs high-quality pure sine wave 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

| MODEL | TXIWP12 | Can Be Set |
|---------------------------------|--|------------|
| INVERTER OUTPUT | | |
| Rated Output Power | 12,000W | |
| Max.Peak Power | 24,000VA | |
| Rated Output Voltage | 230Vac single-phase / three-phase (parallel) | ✓ |
| Load Capacity of Motors | 6HP | |
| Output Frequency | 50/60Hz | |
| Number of Parallel | 1~6 units | |
| AC OUTPUT （Grid） | | |
| Rated Output Power | 12,000W | |
| Max. Apparent Power | 12,000VA | |
| Max. Output Current | 54.5A | |
| Rated Output Voltage | 230Vac | |
| 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 | 60A | |
| Max. Grid Charging Current | 120A | |
| Max.PV Charging Current | 200A | ✓ |
| Max. Hybrid Charging Current | 200A | ✓ |
| PV INPUT | | |
| Num. of MPPT Trackers | 2 | |
| Max.PV Array Power | 6,600W+6,600W | |
| Max. Input Current | 22A+22A | |
| Max.Voltage of Open Circuit | 500Vdc+500Vdc | |
| MPPT Voltage Range | 125-425Vdc | |
| MAINS/GENERATOR INPUT | | |
| Input Voltage Range | 90~280Vac | ✓ |
| Frequency Range | 50/60Hz | |
| Bypass Overload Current | 63A | |
| EFFICIENCY | | |
| MPPT Tracking Efficiency | 99.9% | |
| Max. Efficiency | 97.5% | |
| European Efficiency | 97% | |
| GENERAL | | |
| Dimensions | 670*440*240mm | |
| Weight | 37kg | |
| 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 | | |
| Safety | IEC62109-1, IEC62109-2 | |
| EMC | EN61000-6-1, EN61000-6-3, FCC 15 class B | |
| Rohs | Yes | |