TXIWP6

6KW

Solar storage inverter

Efficiency
- Advanced MPPT technology with up to 99.9% efficiency.
- 2 MPPT up to 16A + 16A PV input current.

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

All in one
- Up to 100A 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

WWW.temax-solar.com

MODELS	TXIWP6	Can Be Set
OFF-GRID OUTPUT		
Rated Output Power	6,000W	
Max. Peak Power	12,000VA	
Rated Output Voltage	230Vac, single phase	✓
Load Capacity of Motors	4HP	
Output Frequency Range	50Hz ± 0.3Hz/60Hz ± 0.3Hz	✓
Switching Time	10ms（typical value）	
ON-GRID OUTPUT		
Rated Output Power	6,000W	
Max. Apparent Power	12,000VA	
Rated. Output Current	26A	
Max. Output Current	28.6A	
THDI	< 3%	
Power Factor	0.8 leading to 0.8 lagging	
Rated Voltage	230Vac, single phase	
Frequency	50Hz/60Hz	
BATTERY		
Battery Type	Lead-acid / LifePO4 / User Defined	✓
Rated Battery Voltage	48V (minimum start-up voltage 44V)	
Battery Voltage Range	40～60Vdc	✓
Max. PV Charging Current	100A	✓
Max. Utility Charging Current	60A	✓
Max. Generator Charging Current	60A	✓
PV INPUT		
Num. of MPPT	2	
Max. Input Power	4,500W+4,500W	
Max. Input Current	16A+16A	
Max. Short-circuit Current	27A+27A	
Max. Open-circuit Voltage	500Vdc+500Vdc	
MPPT Operating Voltage Range	120-450Vdc	
UTILITY / GENERATOR INPUT		
Input Voltage Range	90～280Vac	✓
Input Frequency Range	50/60Hz	
Bypass Overload Current	40A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Efficiency	97.5%	
GENERAL		
Num. of Parallel	1-6 units	
Dimension	556*345*182mm	
Weight	20kg	
Protection Degree	IP65	
Operating Temperature Range	-25-60°C (>45°C derating)	
Humidity Range	0% ~ 100%	
Noise	<60dB	
Cooling Method	heatsink & intelligent air cooling	
Warranty	5 years	
COMMUNICATION		
Internal Interface	RS485 / CAN / USB / Dry contact	✓
External Module (optional)	Wi-Fi / GPRS	✓
CERTIFICATION		
On–grid Certification	EN50549-1, G99, NRS-097, VDE-ARN-4105, CEI021, UNE217002	
Safety	IEC62109-1, IEC62109-2	
EMC	EN61000-6-1, EN61000-6-3, FCC15 classB	
RoHS	Yes	