

ZXIV-S 3.6-6kW

Single Phase Hybrid Inverter



Efficient Higher Revenue

- Max. Efficiency 97.5%
- Max. PV Input Voltage 550V
- 150% Peak Output Power
- 2 MPP Trackers, 150% DC Input Oversizing
- Max. PV Input Current 16A, Compatible with High Power Modules

Intelligent Simple O&M

- IP66 Protection Degree: support outdoor installation
- Smart I-V Curve Diagnosis Function: locate PV string faults accurately and automatically detect faults
- DC & AC Type II SPD: prevent lightning damage
- Battery Reverse Connection Protection

Flexible Abundant Configuration

- Plug & Play, EPS Switching Under 10ms
- Compatible with Lead-acid and Lithium Batteries
- Max. 6 units Inverters Parallel
- AFCI Function (Optional): when an arc-fault is detected the inverter immediately stops operation

| | ZXS3K6TL | ZXS4KTL | ZXS4K6TL | ZXS5KTL | ZXS6KTL |
|---|---|----------|------------|------------|------------|
| Input (PV) | | | | | |
| Max. PV Input Power | 5.4kW | 6kW | 6.9kW | 7.5kW | 9kW |
| Max. PV Input Voltage | 550V | | | | |
| Start-up Voltage | 100V | | | | |
| Rated Voltage | 240V | 270V | 300V | 330V | 360V |
| MPPT Voltage Range | 100V~550V | | | | |
| Number of MPP Trackers | 2 | | | | |
| Max. PV Input Current | 16A | | | | |
| Output (AC) | | | | | |
| Rated Output Power | 3.68kVA | 4kVA | 4.6kVA | 5kVA | 6kVA |
| Max. Output Power | 3.68kVA | 4.4kVA | 4.6kVA | 5.5kVA | 6.6kVA |
| Max. Output Current | 16A | 20A | 20.9A | 22.7A | 30A |
| Rated Voltage | 230V | | | | |
| Rated Frequency | 50Hz / 60Hz | | | | |
| THDi(@Rated Power) | < 3% | | | | |
| Power Factor | 0.8 leading~0.8 lagging | | | | |
| Output (EPS) | | | | | |
| Max. Output Power | 3.68kVA | 4kVA | 4.6kVA | 5kVA | 6kVA |
| Max. Output Current | 16A | 20A | 20.9A | 22.7A | 30A |
| Peak Output Power, Time | 5.5kW, 10s | 6kW, 10s | 6.9kW, 10s | 7.5kW, 10s | 7.5kW, 10s |
| Rated Voltage, Frequency | 230V, 50Hz | | | | |
| THDv (@Rated Power) | < 3% | | | | |
| Switch Time | < 10ms | | | | |
| Battery | | | | | |
| Battery Type | Lithium, Lead-acid | | | | |
| Battery Voltage Range | 40V~60V | | | | |
| Max. Charge / Discharge Current | 100A | | | | |
| Communication | CAN | | | | |
| Efficiency | | | | | |
| Max. Efficiency | 97.5% | | | | |
| EU Efficiency | 97.2% | | | | |
| Battery Charge/Discharge Efficiency | 95% | | | | |
| Protection | | | | | |
| DC Reverse Polarity Protection / Insulation Resistance Monitoring / Ground Fault Monitoring | Yes | | | | |
| Over Current / Over Voltage Protection | Yes | | | | |
| Battery Soft Start Protection | Yes | | | | |
| AFCI Protection | Optional | | | | |
| Surge Protection | Type II | | | | |
| Communication | | | | | |
| Display | LCD | | | | |
| Communication | RS485 / CAN / WIFI / 4G / LAN / Bluetooth | | | | |
| General Data | | | | | |
| Dimension (W*H*D) | 490 x 395 x 200 mm | | | | |
| Weight | 15kg | | | | |
| Operating Temperature Range | -30°C~ +60°C | | | | |
| Cooling Method | Natural | | | | |
| Protection Degree | IP66 | | | | |
| Max. Operating Altitude | 4000 m | | | | |
| Noise | ≤ 25dB | | | | |
| Relative Humidity | 0~100% | | | | |
| Self-consumption | < 10W | | | | |
| Topology | High Frequency Insolation (For battery) | | | | |