

XD7-10KTL

Single Phase Hybrid Inverter

Residential



Efficient Higher Revenue

- Max. Efficiency 98%
- 2 MPP Trackers, 160% DC Input Oversizing
- Max. PV Input Current 20A, Compatible with High Power Modules
- 200% Peak Output Power at EPS Mode

Intelligent Simple O&M

- IP66 Protection Degree
- SPD Type II: DC & AC
- Support AFCI Function (Optional)
- Support Smart I-V Curve Diagnosis Function

Flexible Abundant Configuration

- EPS Switching Time <10ms
- Compatible With Lithium & Lead-acid Battery
- Support Work in Parallel Mode
- Support Diesel generator & Smart Load Connection

| | XD7KTL | XD8KTL | XD10KTL |
|--|---|----------|----------|
| Input (PV) | | | |
| Max. PV Input Power | 11.2kW | 12.8kW | 16kW |
| Max. PV Input Voltage | 600V | | |
| Start-up Voltage | 100V | | |
| MPPT Voltage Range | 100V ~ 550V | | |
| Number of MPP Trackers | 2 | | |
| Number of Strings per MPPT | 2 / 1 | | |
| Max. PV Input Current | 40A / 20A | | |
| Output (AC) | | | |
| Rated Output Power | 7kW | 8kW | 10kW |
| Max. Output Active Power | 7.7kW | 8.8kW | 11kW |
| Max. Output Current | 35A | 40A | 50A |
| Rated Voltage | 230V | | |
| Rated Frequency | 50Hz / 60Hz | | |
| THDi(@Rated Power) | < 3% | | |
| Power Factor | 0.8 leading ~ 0.8 lagging | | |
| Battery | | | |
| Battery Type | Lithium, Lead-acid | | |
| Battery Voltage Range | 40V ~ 60V | | |
| Max. Charge/Discharge Current | 160A | 190A | 210A |
| Output (EPS) | | | |
| Max. Output Power | 7.7kVA | 8.8kVA | 11kVA |
| Max. Output Current | 35A | 40A | 50A |
| Peak Output Power, Time | 14kW,10s | 16kW,10s | 18kW,10s |
| Rated Voltage | 230V | | |
| THDv(@Rated Power) | < 3% | | |
| Switch Time | < 10ms | | |
| Efficiency | | | |
| Max. Efficiency | 98.00% | | |
| European Efficiency | 97.50% | | |
| Battery Charge / Discharge Efficiency | 97.00% | | |
| Protection | | | |
| DC Reverse Polarity Protection | Yes | | |
| Insulation Resistance Monitoring | Yes | | |
| 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 / Bluetooth | | |
| General Data | | | |
| Dimension (W x H x D) | 440mm*530mm*250mm | | |
| Operating Temperature Range | -30°C ~ +60°C | | |
| Self-consumption | < 10W | | |
| Topology | High Frequency Insolation (For Battery) | | |
| Protection Degree | IP66 | | |
| Relative Humidity | 0~100% | | |
| Max. Operating Altitude | 4000m | | |
| Cooling Method | Smart Forced Air Cooling | | |