



Three Phase Hybrid Inverter

30kw | 40kw | 50kw | 60kw



**Efficient
Higher Revenue**

- 4 MPP Trackers, 150% DC input oversizing
- Max. PV input current 20A, compatible with high power PV modules
- Max. charge/discharge current 200A, 150% EPS peak output power



**Intelligent
Simple O&M**

- IP66 protection
- DC&AC Type II SPD: prevent lightning damage
- Smart I-V curve diagnosis function: locate PV string faults accurately and automatically detect faults



**Flexible
Abundant Configuration**

- Support optional AFCI function
- EPS switching under 10ms
- Support multi-inverters in parallel
- Support 100% unbalanced output
- Standard generator interface, support for generator and smart load access

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Hybrid Solar Inverter

| MODEL | XD30KTR | XD40KTR | XD50KTR | XD60KTR |
|---------------------------------------|--|---------|---------|---------|
| Max. Input Power | 48000Wp | 64000Wp | 80000Wp | 96000Wp |
| Max. Input Voltage | 1100V | | | |
| Start-up Voltage | 200V | | | |
| Rated Voltage | 620V | | | |
| MPPT Voltage Range | 180V-1000V | | | |
| Number of MPP Trackers | 4 | | | |
| Number of String per MPPT | 8 | | | |
| Max. Current per MPPT | 4*40A | | | |
| Max. Short Circuit Current per MPPT | 4*60A | | | |
| Rated Output Power | 30kW | 40 kW | 50 kW | 60 kW |
| Max. Output Power | 33kVA | 44 kVA | 55 kVA | 66 kVA |
| Max. Output Current | 50A | 66.7 A | 83.4 A | 100 A |
| Max. Input Power from Grid | 45kW | 60 kW | 75 kW | 90 kW |
| Max. Input Current from Grid | 68.4A | 91 A | 113.7A | 136.4A |
| Rated Grid Voltage | 3 / N / PE, 230 V / 400 Vac | | | |
| Rated Grid Frequency | 50Hz / 60Hz | | | |
| THDi(@Rated Power) | <3% | | | |
| Power Factor | 0.8 leading ~ 0.8 lagging | | | |
| Battery Type | Lithium | | | |
| Battery Voltage Range | 300V - 850V | | | |
| Max. Charge / Discharge Power | 44kW | | 55kW | 66kW |
| Max. Charge / Discharge Current | 2*100A | | | |
| Communication | CAN / RS485 | | | |
| Rated Output Power | 30kW | 40kW | 50kW | 60kW |
| Max. Output Current | 45.6A | 60.7 A | 75.8 A | 91 A |
| Peak Output Power, Time | 1.5 times / 10s | | | |
| Switch Time | <10ms | | | |
| Rated Voltage | 3 / N / PE, 230V / 400Vac | | | |
| Rated Frequency | 50Hz / 60Hz | | | |
| Max. AC passthrough current | 150A | | | |
| Max. Output Power | 30kW | 40kW | 50kW | 60kW |
| Max. Output Current | 45.6A | 60.7A | 75.8A | 91 A |
| Rated Voltage | 3 / N / PE, 230V / 400Vac | | | |
| Rated Frequency | 50Hz / 60Hz | | | |
| Max. Efficiency | 98.40% | | | |
| European Efficiency | 97.50% | | | |
| Battery Charge / Discharge Efficiency | 97.50% | | | |
| Protection | DC Switch, DC Reverse Polarity Protection, Anti-islanding Protection, AC Short Circuit Protection, Residual Current Monitoring, Ground Fault Monitoring, Over Current /Voltage Protection, Battery Active Function, I-V Curve Scan | | | |
| Surge Protection | Type II | | | |
| AFCI Protection | Optional | | | |
| Display | LCD / LED | | | |
| Weight | 92kg | | | |
| Dimension (W x H x D) | 620 x 900 x 300 mm | | | |
| Operating Temperature Range | -30 ~ +60°C | | | |
| Cooling Method | Smart Cooling | | | |
| Protection Degree | IP66 | | | |
| Max. Operating Altitude | 4000m | | | |
| Relative Humidity | 0~100% | | | |
| Self-consumption | <15W | | | |
| Topology | Transformerless | | | |