

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	10.5kW	12kW	15kW
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	175A	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)		440 x 534 x 240mm	
Weight		32 kg	
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	