

XD3-6kW

Single Phase Hybrid Inverter



Efficient Higher Revenue

- Max. Efficiency over 97.5%
- Max. PV Input Voltage 600V
- 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

	XD3K6TL	XD4KTL	XD4K6TL	XD5KTL	XD6KTL
Input (PV)					
Max. PV Input Power	5.4kW	6kW	6.9kW	7.5kW	9kW
Max. PV Input Voltage	600V				
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	6kVA
Max. Output Current	16A	20A	20.9A	22.7A	26.1A
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*395*200 mm				
Weight	15kg				
Operating Temperature Range	-30°C ~ +60°C				
Cooling Method	Natural				
Protection Degree	IP66				
Max. Operating Altitude	4000m				
Noise	≤25dB				
Relative Humidity	0~100%				
Self-consumption	< 10W				
Topology	High Frequency Insolation (For battery)				