

XD30-60KTR

Three Phase Hybrid Inverter



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

SPECIFICATION

	XD30KTR	XD40KTR	XD50KTR	XD60KTR
Input (PV)				
Max. Input Power	45000Wp	60000Wp	75000Wp	90000Wp
Max. Input Voltage	1100V			
Start-up Voltage	200V			
Rated Voltage	620V			
MPPT Voltage Range	180V-1000V			
Number of MPP Trackers	3	4	4	4
Number of String per MPPT	2			
Max. Current per MPPT	40A			
Max. Short Circuit Current per MPPT	60A			
Output (On-Grid)				
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	114A	137A
Rated Grid Voltage	3 / N / PE, 230 V / 400 Vac			
Rated Grid Frequency	50Hz / 60Hz			
THDi(@Rated Power)	<3%			
Power Factor	>0.99(0.8 leading ~0.8 lagging)			
Battery				
Battery Type	Lithium			
Battery Voltage Range	160V - 800V			
Full-power Voltage Range	300V-800V			
Max. Charge / Discharge Power	33kW	44kW	55kW	66kW
Max. Charge / Discharge Current	2*100A			
Communication	CAN			
Output (EPS)				
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			
Output (Generator)				
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			
Efficiency				
Max. Efficiency	98.40%			
European Efficiency	97.50%			
Battery Charge / Discharge Efficiency	97.50%			
Protection				
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			
General Data				
Display	LCD / LED			
Weight	92kg			
Dimension (W x H x D)	620 x 900 x 300 mm			
OperatingTemperature Range	-30 ~ +60°C			
Cooling Method	Smart Cooling			
Protection Degree	IP66			
Max, Operating Altitude	4000m			
Relative Humidity	0~100%			
Self-consumption	<15W			
Topology	Transfomerless			