

XD40-60KTR

Three Phase Hybrid Inverter



KEY FEATURES

- 4 MPP Trackers, 150% DC input oversizing
- IP66 protection
- Support optional AFCI function
- EPS switching under 10ms
- Support multi-inverters in parallel
- DC&AC Type II SPD: prevent lightning damage
- Smart I-V curve diagnosis function: locate PV string faults accurately and automatically detect faults
- Standard generator interface, support for generator and smart load access
- Max. PV input current 20A, compatible with high power PV modules
- Max. charge/discharge current 200A, 150% EPS peak output power

	XD40KTR	XD50KTR	XD60KTR
Input (PV)			
Max. Input Power	60kW	75kW	90kW
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		40A	
Max. Short Circuit Current per MPPT		50A	
Output (On-Grid)			
Rated Output Power	40 kW	50 W	60 kW
Max. Output Power	44 kVA	55 kVA	66 kVA
Max. Output Current	66.7 A	83.4 A	100 A
Max. Input Power from Grid	60 kW	75 kW	90 kW
Max. Input Current from Grid	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			
Battery Type		Lithium	
Battery Voltage Range		160V - 850V	
Max. Charge / Discharge Power	44kW	55kW	66kW
Max. Charge / Discharge Current		2*100A	
Communication		CAN / RS485	
Output (EPS)			
Rated Output Power	40kW	50kW	60kW
Max. Output Power		1.5 times / 10s	
Max. Output Current	60.7 A	75.8 A	91 A
Switch Time		<10ms	
Rated Voltage		3 / N / PE, 230V / 400Vac	
Rated Frequency		50Hz / 60Hz	
Max. AC passthrough current		150A	
THDv (@linear load)		<2%	
Output (Generator)			
Max. Output Power	40kW	50kW	60kW
Max. Output Current	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		
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	0~95%		
Self-consumption	<15W		
Topology	Transformerless		