

Three Phase String Type On-Grid Solar Inverter



Type	KE-GT48KTL3	KE-GT50KTL3	KE-GT60KTL3
DC Input			
Max. input power	72kW	75kW	90kW
Max. input voltage	1100V		
Starting voltage	180V		
Rated input voltage	600V		
MPPT range	200V-1000V		
MPPT number	3	3	3
PV Strings per MPPT	3/3/3	3/3/3	4/4/4
Max. input current	48A/48A/48A	48A/48A/48A	52A/52A/52A
Max. Short circuit current	57A/57A/57A	57A/57A/57A	72A/72A/72A
AC output			
Rated output power	48kW	50kW	60kW
Max. Output current	3*77A	3*80A	3*96A
Rated grid voltage	3/N/PE, 400V		
Grid voltage range	300 - 480V		
Rated grid frequency	50Hz		
Grid frequency range	45-55Hz		
Power factor	>0.99, 0.8 (lead)~ 0.8 (lag)		
THD	< 3%		
DC current injection	< 0.5%		
Inversion efficiency			
Max. efficiency	98.7%	98.7%	98.7%
Europe efficiency	98.1%	98.1%	98.1%
China efficiency	98.1%	98.1%	98.1%
Protection			

DC reverse connection protection	Yes		
AC short circuit protection	Yes		
AC output overcurrent protection	Yes		
Output overvoltage protection	Yes		
Insulation impedance protection	Yes		
Residual current detection (RCD)	Yes		
Surge protection	Yes		
Islanding protection	Yes		
Temperature protection	Yes		
DC switch	Yes		
String inspection	Optional		
Basic parameter			
Dimension	640mm*450mm*280mm		
Weight	50kg	51kg	51kg
Topology	No transformer		
Protection rating	IP66		
Self-consumption	< 1W		
Work temperature and humidity	-25 ~ 60°C		
Work humidity	0 ~ 100%		
Noise	< 30dB		
Cooling method	Smart forced air cooling		
Max. altitude	IP65		
Noise	< 30dB		
Max. work altitude	4000m (>2000m derating)		
Display	LED		
Basic communication	RS485		
Optional communication	4G/WIFI		
Warranty	5 years, can be extended to 10 years		