

Single Phase String Type Off-Grid Solar Inverter



Type	KE-GU3KTL3	KE-GU5KTL3	KE-GU6KTL3
DC input			
Max. input power	4.0kW	6.5kW	7.8kW
Max. input voltage	550V		
Starting voltage	135V		
MPPT range	120V-550V		
Max. input current	12A	22A	22A
MPPT number / PV strings per MPPT	1/1	1/2	1/2
AC output			
Rated output power	3kW	5kW	6kW
Rated grid voltage	230Vac (single phase)		
Grid voltage range	180V-276V (adjustable)		
Rated grid frequency	50Hz		
Work frequency range	47-52Hz (adjustable)		
Max. output current	14A	23A	27A
Output power factor	> 0.99, 0.95 (lead) ~ 0.95 (lag)		
THD	< 2%		
DC current injection	< 0.5%		
Inversion efficiency			
Max. efficiency	98.17%		
European efficiency	97.5%		
MPPT efficiency	99.9%		
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	yes		
Surge protection	yes		
Islanding protection	yes		
Temperature protection	yes		
DC switch	Integrated (optional)		
Basic parameter			
Dimension	372mm*408mm*155mm		
Weight	14kg	15kg	16kg
Topology	No transformer		
Self-consumption	< 1W		
Work temperature and humidity	-25-+60°C, 0-100%		
Level of protection	IP65		
Noise	< 30dB		
Cooling type	Air cooling		
Max. work altitude	4000m (>2000m derating)		
Design lifetime	> 20 years		
Certificate	CQC		
Communication port	RS485 / WiFi / GPRS (optional)		
Warranty	5 years, can be extended to 10 years		