Gripsun
POWER TECHNOLOGY PVT LTD
ELECTRIFYING YOUR LIFE

KSTAR

KSG SERIES THREE PHASE

G125KT7



PV On-Grid String Inverter

- Max. PV Voltage up to 1100V
  Type II DC /AC SPD
- PLC communication
  WiFi / 4G Plug Optional
- DC/AC Ratio up to 1.5
  IP66 Protection
- High Efficiency up to 98.7%
  Smaller and Lighter

Model	G125KT7
Input(DC)	
Max.PV Power Input(kW)	187.5kW
Max.DC Voltage	1100V
Max.Input Current Per MPPT	40A
Max.Short-circuit Current Per MPPT	60A
Start Voltage	350V
MPPT Voltage Range	200-1000V
Nominal Voltage	650V
Number of MPPT	8
Strings Per MPPT	2
Output(AC)	
Nominal AC Output Power	125kW
Max. AC Apparent Power	125kVA
Nominal AC Voltage	230V/400V,3W+PE,3W+N+PE
AC Grid Frequency Range	50/60Hz±5Hz
Max. Output Current	181.2A
Power Factor (cosΦ)	0.8leading-0.8lagging
THDi	<3% (Nominal Power)
Efficiency	
Max. Efficiency	98.7%
Euro Efficiency	98.5%
Protection Devices	
DC Switch	Yes
Anti-islanding Protection	Yes
Output Over Current Protection	Yes
DC Reverse Polarity Protection	Yes
String Fault Detection	Optional
DC/AC Surge Protection	DC Type II;AC Type II
AC Short Circuit Protection	Yes
AFCI Function	Optional
Night SVG Function	Optional
PID Recovery	Optional
Insulation Detection	Yes
Residual Current Monitoring	Yes
General Specifications	
Dimensions W x H x D	965mm*700mm*355mm
Weight	85kg
Operating Temperature Range	-30~60℃
Cooling Type	Fan Cooling
Max. Operation Altitude	5,000 m (> 4,000 mDerating)
Max. Operating Humidity	0~100%
IP Class	IP66
Noise (dB)	≤75dB
Topology	Transformer less
Communication	RS485/PLC/WIFI/4G
Display	LED, Buletooth+APP
Certification&Standerd	NBT32004-2018,IEC 62109-1/-2,EN61000-6-1,EN61000-6-2,EN61000-6-3,EN61000-6-4