

BlueKernel Series

NEW

Three Phase / On-grid / 125 kW



Max. PV Voltage up to 1100 V
Type II DC / AC SPD



Compatible for Big Capacity PV Panel
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. DC Voltage	1100 V
Max. Input Current per MPPT	40 A
Max. Short-circuit Current per MPPT	60 A
Start Voltage	350 V
MPPT Voltage Range	200 V ~ 1000 V
Nominal Voltage	650 V
Number of MPPT	8
Strings per MPPT	2
Output (AC)	
Nominal AC Output Power	125 kW
Max. AC Apparent Power	125 kVA
Nominal AC Voltage	230 V / 400 V, 3W +PE, 3W+N+PE
AC Grid Frequency Range	50 / 60 Hz $\pm$ 5Hz
Max. Output Current	181.2 A
Power Factor (cos Φ)	0.8 leading - 0.8 lagging
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)	965 x 700 x 355 mm
Weight	85 kg
Operating Temperature Range	-30 ~ 60°C
Cooling Type	Fan Cooling
Max. Operation Altitude	5000 m (> 4000 m Derating)
Max. Operating Humidity	0 ~ 100%
IP Class	IP66
Noise (dB)	$\leq$ 75 dB
Topology	Transformerless
Communication	RS-485 / PLC / WIFI / 4G
Display	LED, Buletooth + APP

* For the latest certificate information, please contact KSTAR.