

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 / Ethernet 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		45 A
Max. Short-circuit Current per MPPT		60 A
Start Voltage		300 V
MPPT Voltage Range		200 ~ 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 / 400 V, 3W +PE, 3W+N+PE
AC Grid Frequency Range		50 Hz / 60 Hz (±5 Hz)
Max. Output Current		181.2 A
Power Factor (cosΦ)		-0.8 (Lagging) ~ 0.8 (Leading)
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)		≤ 80 dB
Topology		Transformerless
Communication		RS-485 / PLC / WIFI / Ethernet
Display		LED , Buletooth + APP
Certification & Standard		IEC 62109-1/-2; EN IEC 61000-6-1/2/3/4; EN IEC 61000-3-11/12; EN IEC 62920; IEC 61727; IEC 62116; IEC 61683; IEC 60068-2-1/2/14/30; EU RoHS Directive; EN 50549-1/2; EN 50549-10; CEI 0-16; NC RFG; C10/11; UNE 217001; UNE 217002; NTS V2.1; PEA/MEA