

10 YEARS
REPLACEMENT
WARRANTY

NEXUS

ON-GRID INVERTER \ 125KW



HIGH EFFICIENCY Up to 98.7% conversion efficiency with transformerless design.



MPPT Optimized power tracking with ten independent MPPTs.



WIDE VOLTAGE RANGE MPPT operating range: 180V - 1100V.



SMART COOLING Intelligent fan cooling for enhanced performance.



SAFETY FIRST Built-in DC switch, surge protection and insulation monitoring.



GRID STABILITY Supports low/high voltage ride-through (LVRT & HVRT).



Equipped with dual MPPTs, Supporting solar panels over 600watts.



Waterproof and Dustproof Protection



Logger Stick



Smart PV Monitoring Platform



Solarman Smart
for enduser



Solarman Business
for installers and EPC

24/7
AFTER SALES
SERVICE



TECHNICAL PARAMETERS

MODLE NAME		CSE-N125KGT
INPUT		
Max. DC input power		187.5KW
Mak. DC input Voltage		1100V
Max. DC input current		30A*10
MPPT voltage range		200-1000V
Recommended MPP operating voltage		600V
No. of MPPT		10
Max. No. of strings per MPPT		2
OUTPUT		
Rated output power		125KW
Max. output power		137.5KVA
Max. output current		199.3A
Rated grid voltage		400V
Grid voltage range		310~480Vac
Rated grid frequency		50Hz/60Hz
Grid frequency range		45-55Hz/55-65Hz
THD		<2% (Under the rated power)
Power factor	>0.99 (Under the rated power) / Adjustable range: 0.8 leading ~ 0.8 lagging	
DC current injection		<0.5% (Under the rated power)
SYSTEM DATA		
Max. efficiency		98.9%
Euro. efficiency		98.2%
Humidity range		0-100%, non-condensing
Cooling type		Intelligent forced air cooling
Temperature range		-25~60°C
Power consumption at night		<1W
Max. working altitude		4000m
Display		LED (optional: LCD)
Communication interface		WiFi (optional: RS485 or GPRS)
PROTECTION		
DC reverse-polarity protection		Yes
Short circuit protection		Yes
Output over current protection		Yes
Output over voltage protection		Yes
Residual current detection		Yes
Surge protection		Yes
Grid monitoring		Yes
Islanding protection		Yes
Temperature protection		Yes
Integrated DC switch		Yes
Insulation resistance monitoring		Yes
MECHANICAL DATA		
Dimensions (WHD)		1050x620x333mm
Weight		89kg
Protection class		IP66
STANDARD		
Safety standard/EMC standard		NB/T 32004-2018; IEC61727
Grid-connected standard		NB/T 32004-2018; IEC 62109-1/2
Other standard		IEC61000-6-2/4