CROWN
SOLAR ENERGY



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.
- IP66 Waterproof and Dustproof Protection



Logger Stick



Smart PV Monitoring Platfrom

Solarman Smart for enduser

Solarman Business for installers and EPC

24/7 AFTER SALES SERVICE

CROWN EASY REPLACEMENT WARRANTY

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