



NEXUS

ON-GRID INVERTER \ 30KW



HIGH EFFICIENCY Up to 98.8% conversion efficiency with transformerless design.



MPPT Optimized power tracking with four independent MPPTs.



WIDE VOLTAGE RANGE MPPT operating range: 180V - 1000V.



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).



Solarman Smart
for enduser



Solarman Business
for installers and EPC



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



Waterproof and Dustproof Protection



Logger Stick



Smart PV Monitoring Platform

24/7
AFTER SALES
SERVICE



TECHNICAL PARAMETERS

MODLE NAME		CSE-N30KGT
INPUT		
Max. DC input power		45000W
Mak. DC input Voltage		1000V
Max. DC input current		40/40/20/20A
MPPT voltage range		180-1000V
Recommended MPP operating voltage		360V
No. of MPPT		4
Max. No. of strings per MPPT		2
OUTPUT		
Rated output power		30000W
Max. output power		33KVA
Max. output current		86.6A
Rated grid voltage		3/(N)/PE,220V
Grid voltage range		170-265Vac
Rated grid frequency		50Hz/60Hz
Grid frequency range		47.5-52.5Hz/57.5-62.5Hz
THD		< 3% (Under the rated power)
Power factor	>0.99(Under rated power) /Adjustable Range 0.8 leading ~ 0.8 lagging	
DC current injection		<0.5% (Under the rated power)
SYSTEM DATA		
Max. efficiency		98.70%
Euro. efficiency		98.20%
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/RS485/GPRS(optional)
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)		610x564x218mm
Weight		39kg
Protection class		IP66
STANDARD		
Safety standard/EMC standard	NB/T32004-2018, IEC62109, IEC61000, IS16169 & IS16221(BIS)	
Grid-connected standard	IEC61727, EN50549-1, VDE-4105, NRS-097-2-1, OVE-Richtlinie R25, UNE217001/2, Ordinance No.140	
Other standard	IEC61683, IEC62116, EN50530, IEC60068	