CROWN
SOLAR ENERGY



NEXUS

8, 10, 15, 25 KW ON-GRID INVERTER

- HIGH EFFICIENCY Up to 98.7% conversion efficiency with transformerless design.
- DUAL MPPT Optimized power tracking with two 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-N8KGT	CSE-N10KGT	CSE-N15KGT	CSE-N25KGT
DC INPUT DATA				
Max. DC input power (KW)	10.4	13	19.5	29.9
Max. DC input voltage(VDC)	1100			
MPPT voltage range(VDC)	180~1000			
Max. DC current(A)	20A/20A			40A/30A
Recommended working voltage(VDC)	650			
MPPT number	2			
Max. input strings per MPP tracker	1/1			2/2
AC OUTPUT DATA				
Rated output power (KW)	8	10	15	25
Max. AC power (KVA)	8.8	11	16.5	27.5
Max. output current(A)	13.3	16.7	24	41
Rated power grid voltage(Vac)	400			
Power grid voltage range(Vac)	310～480			
Rated power grid frequency	50Hz/60Hz			
Grid frequency range	45～55Hz/55～65Hz			
THD	<2%(Under the rated power)			
Power factor	>0.99(Under rated power)/Adjustable range 0.8(Leading)～0.8（Lagging)			
DC component	<0.5%(Under rated power)			
SYSTEM DATA				
Max. Efficiency(%)	98.5%	98.6%	98.7%	98.8%
Euro. efficiency(%)		98.2%	97.0%	98.2%
Humidity	0～95%, No condensation			
Cooling	Fan			
Allowed ambient temperature range	-25℃～+60℃			
Consumption during night	<1W			
Noise	<40dB(When the fan starts <50dB)			
Max. altitude	4000m(It needs to be derated when the altitude exceeds 2000m)			
MECHANICAL DATA				
Size (width x height x depth)	427mm×450mm×204mm			
Weight	15kg			18kg
Protection class	IP66（outdoor）			
DISPLAY & COMMUNICATION				
Communication interface	RS485/WIFI(optional)/GPRS(optional)			
Human-machine interface	2 LED indicators, 2 lines of LCD display , acoustic sensing switch			