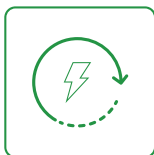
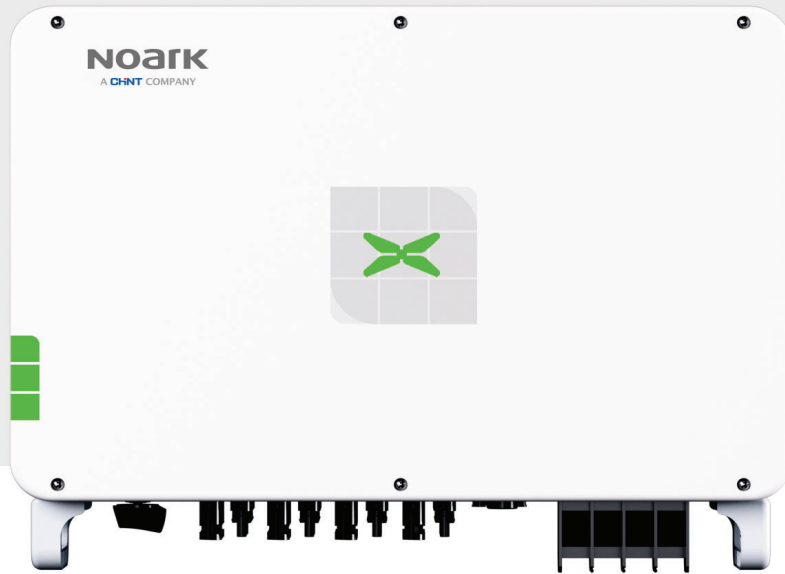


Ex9N-G-50~60kW(400Vac)

Three Phase On-Grid String Inverter



Small size
High efficiency

- Higher yield with Max. efficiency 98.80%, European efficiency 98.50%
- 4 MPPT design with precise MPPT algorithm
- Wide voltage range, low startup voltage, Higher conversion efficiency



Low input
High income

- Multiple power models match the requirements of different customers
- Support high-power component access, low cost of system installation and cable
- Supports more than 150% DC side overmatch



Safe and Reliable

- High anti-corrosion with aluminum alloy die casting
- WLAN, RS485, 4G Communication Supported
- 7*24H aftersales service can guarantee the maintenance of the Whole Life Cycle

3.0

ON-GRID STRING INVERTER

Datasheets

	Ex9N-G-50KT	Ex9N-G-60KT
Input (DC)		
Max. Input Power	80kW	96kW
Max. Input Voltage		1100V
Start Voltage		250V
Rated Input Voltage		600V
Full-load MPP Voltage Range		520V~850V
MPPT Voltage Range		200V~1000V
Number of MPP Trackers		4
Number of String per MPPT	3 / 2 / 3 / 2	3 / 3 / 3 / 3
Max. Current per MPPT	39A / 26A / 39A / 26A	39A
Max. Short Circuit Current per MPPT	48A / 32A / 48A / 32A	48A
DC Disconnection Type	Integrated Switch	
Output (AC)		
Max. Output Current	79.7A	95.6A
Rated Output Power	50kW	60kW
Max. Output Power	55kVA	66kVA
Rated Grid Frequency	50Hz / 60Hz	
Rated Grid Voltage	three phase, 400Vac, TN/TT/IT*	
Power Factor	> 0.99 (0.8 leading~0.8 lagging)	
THDi	< 3% (Rated Power)	
Efficiency		
Max. Efficiency	98.70%	98.80%
European Efficiency		98.40%
MPPT Efficiency		99.90%
Protection		
DC reverse polarity protection	Yes	
Anti-islanding protection	Yes	
AC short circuit protection	Yes	
Residual current monitoring unit	Yes	
Insulation resistance monitoring	Yes	
Ground fault monitoring	Yes	
Grid monitoring	Yes	
PV string monitoring	Yes	
Surge protection	Type II	
AFCI protection	Optional	
Communication		
Display	LED / LCD / WiFi+App	
Communication	Standard: RS485 / USB Optional: WiFi / GPRS / Ethernet	
General Data		
Dimensions (W x H x D)	650 × 450 × 260 mm	
Weight	50kg	
Operating Temperature Range	-30℃ ~+60℃	
Cooling Method	Smart Cooling	
Protection Degree	IP66	
Max. Operating Altitude	4000m	
Relative Humidity	0~100%	
Topology	Transformerless	
Night Power Consumption	<1W	
Standard Compliance		
Grid Connection Standards	IEC 61727, IEC 62116, IEC 60068, IEC 61683, EN 50549, CEI 0-21, VDE 4105	
Safety / EMC	IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011	

* Refer user manual for details for grid connection.