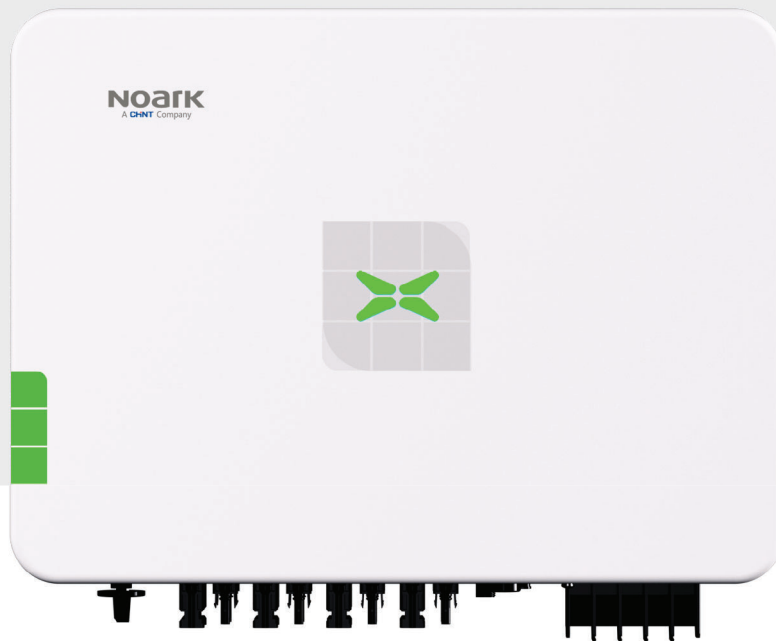


Ex9N-G-30~40kW(400Vac)

Three Phase On-Grid String Inverter



Small size
High efficiency

- Higher yield with Max. efficiency 98.60%, European efficiency 98.50%
- 3-4 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-30KT	Ex9N-G-33KT	Ex9N-G-36KT	Ex9N-G-40KT
Input (DC)				
Max. Input Power	48kW	52.8kW	57.6kW	64kW
Max. Input Voltage	1100V			
Start Voltage	250V			
Rated Input Voltage	600V			
Full-load MPP Voltage Range	500V~800V			
MPPT Voltage Range	200V~1000V			
Number of MPP Trackers	3		4	
Number of String per MPPT	2			
Max. Current per MPPT	26A			
Max. Short Circuit Current per MPPT	32A			
DC Disconnection Type	Integrated Switch			
Output (AC)				
Max. Output Current	48.3A	53.0A	57.8A	64.3A
Rated Output Power	30kW	33kW	36kW	40kW
Max. Output Power	33.3kVA	36.6kVA	39.6kVA	44kVA
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	98.60%			
European Efficiency	98.50%			
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)	600 × 430 × 230 mm			
Weight	30kg		32kg	
Operating Temperature Range	-30°C ~ +60°C			
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, 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 of grid connection.