

# Ex9N-G-6~15kW(400Vac)

## Three Phase On-Grid String Inverter



Small size  
High efficiency

- Higher yield with Max. efficiency 98.70%, European efficiency 98.50%
- 2 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-6KT	Ex9N-G-8KT	Ex9N-G-10KT	Ex9N-G-12KT	EX9N-G-15KTT
<b>Input (DC)</b>					
Max. Input Power	9.6kW	12.8kW	16kW	19.2kW	24kW
Max. Input Voltage	1100V				
Start Voltage	160V				
Rated Input Voltage	600V				
Full-load MPP Voltage Range	250V~850V	320V~850V	450V~850V	480V~850V	500V~850V
MPPT Voltage Range	180V~1000V				
Number of MPP Trackers	2				
Number of String per MPPT	1 / 1				1 / 2
Max. Current per MPPT	14A / 14A				14A / 28A
Max. Short Circuit Current per MPPT	18A / 18A				18A / 36A
DC Disconnection Type	Integrated Switch				
<b>Output (AC)</b>					
Max. Output Current	9.6A	12.8A	15.9A	19.1A	23.9A
Rated Output Power	6kW	8kW	10kW	12kW	15kW
Max. Output Power	6.6kVA	8.8kVA	11kVA	13.2kVA	16.5kVA
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)				
<b>Efficiency</b>					
Max. Efficiency	98.40%		98.70%		
European Efficiency	98.30%		98.50%		
MPPT Efficiency			99.90%		
<b>Protection</b>					
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				
Surge protection	Type II				
AFCI protection	Optional				
<b>Communication</b>					
Display	LED / LCD / WiFi+App				
Communication	Standard: RS485 / USB Optional: WiFi / GPRS / Ethernet				
<b>General Data</b>					
Dimensions (W x H x D)	481 × 395 × 195 mm				
Weight	12kg		13.5kg		
Operating Temperature Range	-30°C ~ +60°C				
Cooling Method	Natural				
Protection Degree	IP66				
Max. Operating Altitude	4000m				
Relative Humidity	0~100%				
Topology	Transformerless				
Night Power Consumption	<1W				
<b>Standard Compliance</b>					
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.