

Dual MPPT Single Phase String Inverter

3.6 to 6 kW



Models:

Ex9N-DG-3.6KS-AU

Ex9N-DG-4KS-AU

Ex9N-DG-4.6KS-AU

Ex9N-DG-5KS-AU

Ex9N-DG-6KS-AU

- ✓ High efficiency dual MPPT
- ✓ Low start-up voltage of 80V
- ✓ Up to 110% AC output overloading
- ✓ Compact design and easy installation
- ✓ 24/7 monitoring via Noark HEMS
- ✓ Remote upgrade and control

Model	Ex9N-DG-3.6KS-AU	Ex9N-DG-4KS-AU	Ex9N-DG-4.6KS-AU	Ex9N-DG-5KS-AU	Ex9N-DG-6KS-AU
PV String Input					
Max DC Input Power	4700 W	5200 W	5980 W	6500 W	7800 W
Max DC Input Voltage	550 V				
Start-up Voltage	80 V				
MPPT Operating Range	70 V ~ 500 V				
Max DC Input Current	26 A (13 A / 13 A)				
Max DC Short Circuit Current	39 A (19.5 A / 19.5 A)				
Number of MPPT / Strings per MPPT	2 / 1				
AC Output					
Nominal AC Rated Power	3600 W	4000 W	4600 W	5000 W	6000 W
Max Output Power / Rated Apparent Power	3600 VA	4000 VA	4600 VA	5000 VA	6000 VA
Max AC Output Current	15.7 A	17.4 A	20.0 A	21.7 A	26.1 A
Rated AC Output Current	15.7 A	17.4 A	20.0 A	21.7 A	26.1 A
Nominal Output Voltage / Range	Single Phase L/N/PE 220 V / 187 ~ 242 V, 230 V / 195.5 ~ 253 V (Optional)				
Rated Grid Frequency / Grid Frequency Range	50 Hz / 47 ~ 52 Hz, 60 Hz / 57 ~ 62 Hz				
Harmonic THD	< 3%				
Output Power Factor	0.8 Leading to 0.8 Lagging				
DC Injection Current	< 0.5%				
Efficiency					
Max Efficiency	97.3 %	97.5 %	97.5 %	97.5 %	97.5 %
Europe Efficiency	97.1 %	97.3 %	97.3 %	97.3 %	97.3 %
MPPT Efficiency	> 99.9%				
Protection					
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge protection				
Surge Protection	DC Type II / AC Type II				
Over Voltage Category	DC Type II / AC Type III				
General Data					
Dimensions	330W x 323H x 190D mm				
Weight	8 kg				
Protection Level	Class I				
Topology	Transformerless				
Internal Consumption	< 1 W (Night)				
Operating Ambient Temperature Range	-25 ~ 65 °C				
Operating Relative Humidity Range	0 ~ 100%				
Ingress Protection	IP65				
Noise Emission	≤ 35 dB				
Cooling Method	Natural Cooling				
Max Operating Altitude without Derating	2000 m				
Warranty	5 Years				
Grid Compliance	AS/NZS 4777.2:2020				
Safety EMC Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				
Country of Manufacture	China				
Interface					
DC Connection Type	VP-D4B				
AC Connection Type	IP65 Rated Plug and Play Connector				
Display	LCD Display and LED Indicator				
Communication	RS485/RS232/Wifi				