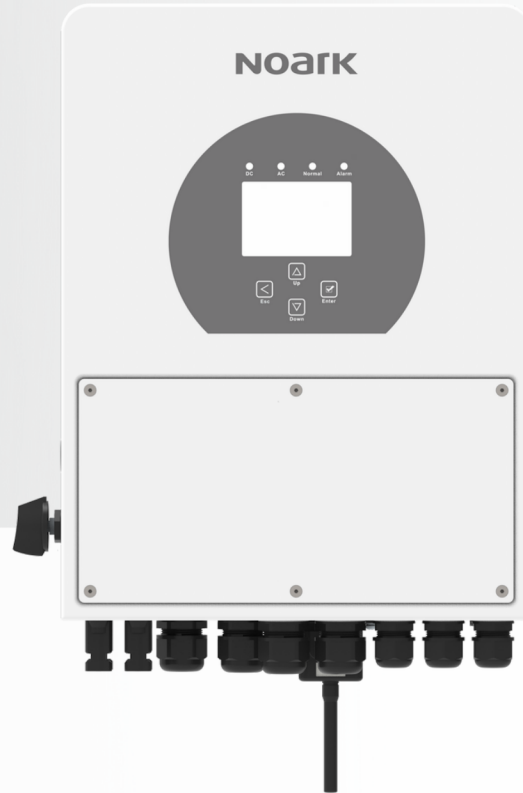


## Dual-MPPT Single Phase Hybrid Inverter

3 to 6 kW



Models:

**Ex9N-DH-3KS-AU**

**Ex9N-DH-5KS-AU**

**Ex9N-DH-6KS-AU**

- ✓ Wireless configuration or via coloured LCD touch screen
- ✓ Max 16 units in parallel for on/off-grid operation with full communication
- ✓ Support multiple batteries in parallel
- ✓ 6 time-of-use settings for battery charging/discharging
- ✓ Support diesel and petrol generator
- ✓ 24/7 monitoring via display and Noark app
- ✓ Remote upgrade and diagnosis
- ✓ Capable of load shedding

Model	Ex9N-DH-3KS-AU	Ex9N-DH-5KS-AU	Ex9N-DH-6KS-AU
<b>Battery Input</b>			
Battery Type	Lead-acid or Lithium-ion		
Battery Voltage Range	40 ~ 60 V		
Max Charging Current	70 A	120 A	135 A
Max Discharging Current	70 A	120 A	135 A
External Temperature Sensor	Yes		
Charging Curve	3 Stages / Equalization		
Charging Strategy for Li-ion Battery	Self-adaption to BMS		
Battery Power	3000 W	5000 W	6000 W
<b>PV String Input</b>			
Max DC Input Voltage	500 V		
Start-up Voltage	125 V		
MPPT Operating Range	150 V ~ 425 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		
<b>AC Output</b>			
Rated AC Output Power	3000 VA	5000 VA	6000 VA
Max AC Apparent Power	3000 VA	5000 VA	6000 VA
Rated AC Output Current	13.0 A	21.7 A	26.1 A
Max AC Output Current	13.0 A	21.7 A	26.1 A
Max Continuous AC Passthrough	35 A	35 A	40 A
Surge Power	200% Rated Power, 10 s		
Nominal Output Voltage / Range	L/N/PE 220 V / 187 ~ 242 V, 230 V / 195.5 ~ 253 V (Optional)		
Rated Grid Frequency / Grid Frequency Range	50 Hz / 45 ~ 55 Hz		
Operating Phase	Single Phase		
Harmonic THD	< 3%		
Output Power Factor	0.8 Leading to 0.8 Lagging		
DC Injection Current	< 0.5%		
<b>Efficiency</b>			
Max Efficiency	97.6 %		
Europe Efficiency	97.0 %		
MPPT Efficiency	> 99.9%		
<b>Protection</b>			
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 III		
<b>General Data</b>			
Dimensions	330W x 433H x 238D mm		
Weight	14 kg	15 kg	15 kg
Internal Consumption	< 1 W (Night)		
Operating Ambient Temperature Range	-40 ~ 60 °C		
Operating Relative Humidity Range	0 ~ 100%		
Ingress Protection	IP65		
Noise Emission	≤ 30 dB		
Cooling Method	Natural Cooling		
Max Operating Altitude without Derating	2000 m		
Warranty	5 + 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		
<b>Interface</b>			
DC Connection Type	VP-D4B		
AC Connection Type	IP65 Rated Plug and Play Connector		
Display	LCD Display and LED Indicator		
Communication	RS485/CAN/Wifi		