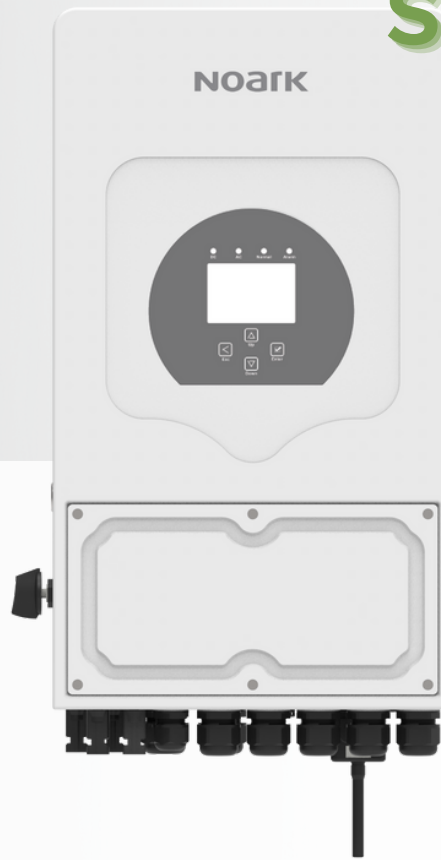


Dual MPPT Single Phase Hybrid Inverter

7.6 and 8 kW

SION



Models:

Ex9N-DH-7.6KS-AU

Ex9N-DH-8KS-AU

- ✓ Wireless configuration or via coloured LCD touch screen
- ✓ Support multiple batteries in parallel
- ✓ 6 time-of-use settings for battery charging/discharging
- ✓ Support diesel and petrol generator
- ✓ 24/7 monitoring via myNoark energy management system
- ✓ Remote upgrade and control
- ✓ Capable of load shedding

Model	Ex9N-DH-7.6KS-AU	Ex9N-DH-8KS-AU
Battery Input		
Battery Type	Lead-acid or Lithium-ion	
Battery Voltage Range	40 ~ 60 V	
Max Charging / Discharging Current	190 A	
External Temperature Sensor	Yes	
Charging Curve	3 Stages / Equalization	
Charging Strategy for Li-ion Battery	Self-adaption to BMS	
PV String Input		
Max PV Input Power	11400 W	12000 W
Max PV Input Voltage	500 V	
Start-up Voltage	125 V	
MPPT Operating Range	150 V ~ 425 V	
Full Load PV Voltage Range	200 V ~ 425 V	
Max PV Input Current per MPPT	26 A (13 A / 13 A)	
Max PV Short Circuit Current per MPPT	39 A (19.5A / 19.5A)	
Number of MPPT / Strings per MPPT	2 / 2	
AC Output		
Nominal AC Rated Power	7600 W	8000 W
Max Output Power / Rated Apparent Power	7600 VA	8000 VA
Nominal Backup Output Power	7600 VA	8000 VA
Rated AC Output Current	33 A	34.8 A
Max AC Output Current	33 A	34.8 A
Max Continuous AC Passthrough	50 A	
Surge Power	200% Rated Power, 10 s	
Nominal Output Voltage / Range	Single Phase L/N/PE 230 V / 195.5 ~ 253 V, 240 V / 204 ~ 264 V (Optional)	
Rated Grid Frequency / Grid Frequency Range	50 Hz / 45 ~ 55 Hz	
Harmonic THD	< 3%	
Output Power Factor	0.8 Leading to 0.8 Lagging	
DC Injection Current	< 0.5%	
Efficiency		
Max Efficiency	97.6 %	
Europe Efficiency	96.5 %	
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 III	
General Data		
Dimensions	330W x 580H x 232D mm	
Weight	24 kg	
Protection Level	Class I	
Topology	Transformerless	
Internal Consumption	< 1 W (Night)	
Operating Ambient Temperature Range	-40 ~ 60 °C (>45°C derating)	
Operating Relative Humidity Range	0 ~ 100%	
Ingress Protection	IP65	
Noise Emission	≤ 30 dB	
Cooling Method	Fan Cooling	
Max Operating Altitude without Derating	2000 m	
Warranty	10 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/CAN/Wifi	