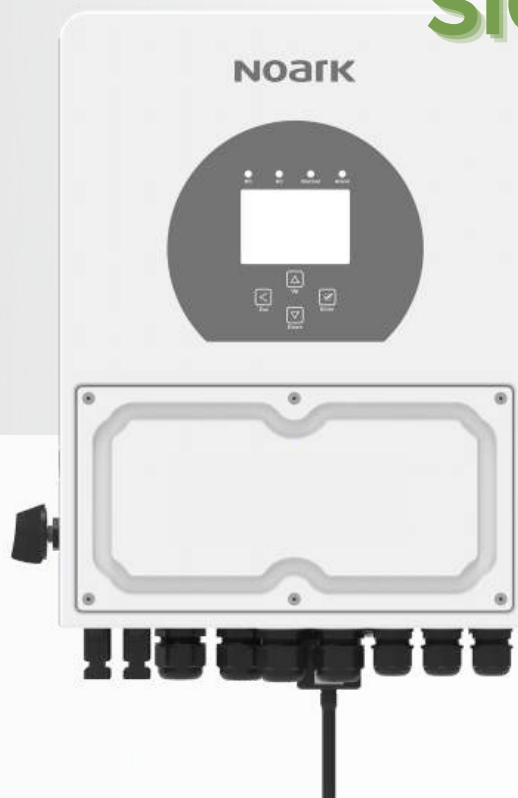


Dual MPPT Single Phase Hybrid Inverter

3 to 6 kW

SION



Models:

Ex9N-DH-3KS1-AU
Ex9N-DH-3KS-AU
Ex9N-DH-3.6KS-AU
Ex9N-DH-5KS-AU
Ex9N-DH-6KS-AU

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

Specifications

Model	Ex9N-DH-3KS1-AU	Ex9N-DH-3KS-AU	Ex9N-DH-3.6KS-AU	Ex9N-DH-5KS-AU	Ex9N-DH-6KS-AU
Battery Input					
Battery Type	Lead-acid or Lithium-ion				
Battery Voltage Range	20 ~ 30 V	40 ~ 60 V			
Max Charging / Discharging Current	140 A	70 A	90 A	120 A	135 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	4500 W	4500 W	5400 W	7500 W	9000 W
Max PV Input Voltage	500 V				
Start-up Voltage	125 V				
MPPT Operating Range	150 V ~ 425 V				
Full Load PV Voltage Range	300 V ~ 425 V				
Max PV Input Current	13 A		13 A / 13 A		
Max PV Short Circuit Current	19.5 A		19.5 A / 19.5 A		
Number of MPPT / Strings per MPPT	1 / 1		2 / 1		
AC Output					
Nominal AC Rated Power	3000 W	3000 W	3600 W	5000 W	6000 W
Max Output Power / Rated Apparent Power	3000 VA	3000 VA	3600 VA	5000 VA	6000 VA
Nominal Backup Output Power	3000 VA	3000 VA	3600 VA	5000 VA	6000 VA
Rated AC Output Current	13.0 A	13.0 A	15.7 A	21.7 A	26.1 A
Max AC Output Current	13.0 A	13.0 A	15.7 A	21.7 A	26.1 A
Max Continuous AC Passthrough	35 A	35 A	35 A	35 A	40 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	97.0 %				
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 433H x 238D mm				
Weight	14 kg	14 kg	14 kg	15 kg	15 kg
Protection Level	Class I				
Topology	Transformerless				
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				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				