

Haus Royale II Series | 5KW-6KW



Pure Sine Wave Output



Output Power Factor 1.0



USB On-The-Go



Zero Transfer Time



User Friendly LCD



Selectable Input Voltage Range



Generator Compatible



BMS Communication



LiFePO4 Compatible



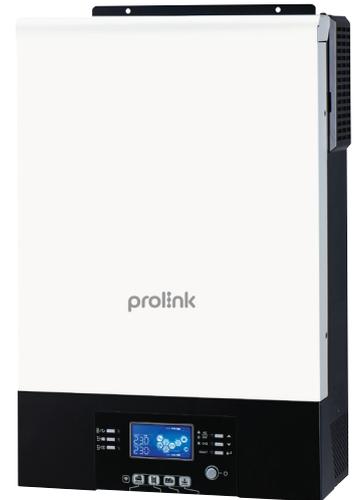
Mobile App



Parallel Operation (9 units)



Cold Start Function



Key Features

Zero transfer time

This improved functionality allows mission-critical loads such as network servers, ATM to operate seamlessly in case of input power failures.



Battery independent design

Operates efficiently without relying on an attached battery storage system.

Built-in BMS communication for LiFePO4 battery

Provides advanced monitoring and management to lithium-ion battery.

Detachable LCD module

Turn the removable LCD control module into a remote control at up to 20m distance.

Data logs store in the inverter

All the events including warning/fault conditions of the inverter can be stored for future analysis.

Flexible Scalability with Parallel Configuration

Expandable solar power system with up to 9 units in parallel for capacity extension.

Selectable high-power charging current

Safe, efficient and fast charging of battery bank even with higher total capacity.

Built-in smart charging design

Helps to extend maximum performance and life from your battery with more precise charging capabilities.

Configurable output source priority (Solar/AC)

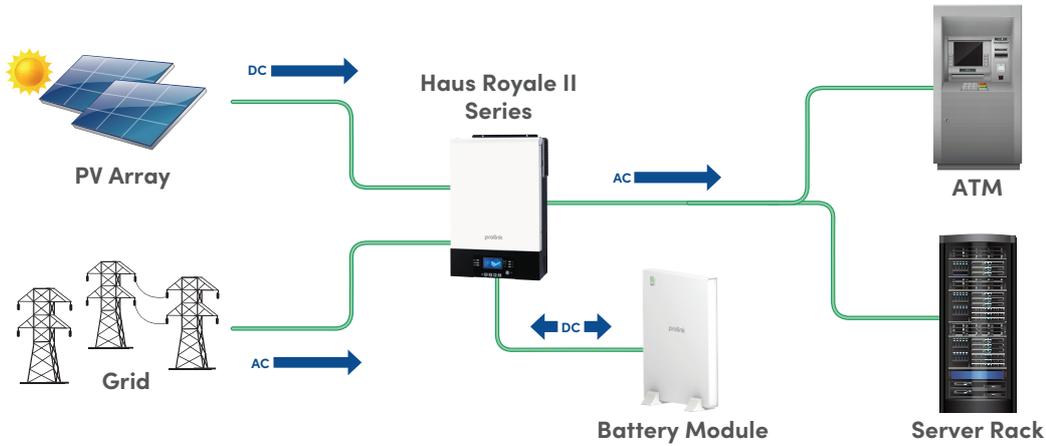
Set the sequence via LCD panel to meet the power demand based on user preferences or specific requirements.

Anti-dust filters

Filter dust will be drawn in by the cooling fan, allowing for easy maintenance and reliable performance even in harsh environment



System Diagram



Specifications

MODEL	Haus Royale II 5KM-48	Haus Royale II 6KM-48
Rated Power	5000VA/5000W	6000VA/6000W
Parallel Capability	Yes (up to 9 units)	
INPUT		
Voltage	230 VAC	
Voltage Range	176-280 VAC at 100% load / 110-280 VAC at 50% load	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
Dual Output (Programmable)	No	Yes (option)
AC Voltage Regulation	220/230/240VAC ± 3%	
Output THDv	<3% for linear load, <5% for non-linear load	
Surge Power	10000VA for 5 sec	12000VA for 5 sec
Efficiency (Peak)	Line mode: >93%; Bat. mode: >90%	
Transfer Time	0 ms (For Line mode to Battery mode) 4 ms (For Inverter mode to Bypass mode)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDC	
Max. Charge Voltage	64 VDC	
Overcharge Protection	66 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Array Power	6000 W	
MPPT Range @ Operating Voltage	120~430 VDC	
Max. PV Input Current	27A	
Maximum Solar Charge Current	100 A	120 A
Maximum AC Charge Current	100 A	120 A
Maximum Charge Current	100 A	120 A
PHYSICAL		
Dimension, D x W x H (mm)	140 x 295 x 468	
Net Weight (kgs)	12	
Communication Interface	USB/RS232/RS485/Wi-Fi/Dry-contact	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	

Product specifications are subject to change without further notice.