



Haus MPPT III Twin (6KW)



Pure Sine Wave Output



Output Power Factor 1.0



USB On-The-Go



Dual AC Output



User Friendly LCD



Selectable Input Voltage Range



Generator Compatible



BMS Communication



LiFePO4 Compatible



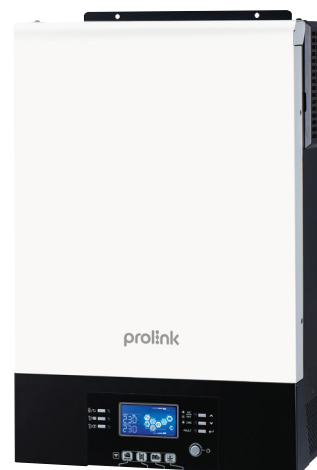
Mobile App



Parallel Operation (9 units)



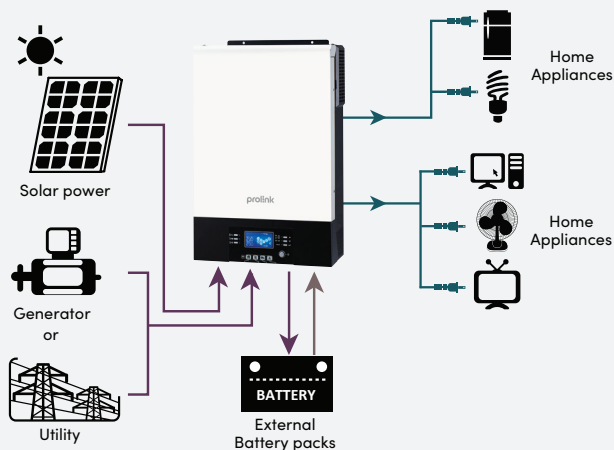
Cold Start Function



Key Features

Dual output for smart load management

Enables user to separate output loads according to the backup requirements with timing selection.



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.

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 and usage timer 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



Specifications

MODEL	Haus III Twin 6KM-48
Rated Power	6000VA/6000W
Parallel Capability	Yes (up to 9 units)
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
Dual Output (Programmable)	Yes
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5% (Dual Output)
Surge Power	12000VA
Overload Capacity	5s@ \geq 150% load; 10s@110%~150% load; 100ms@ \geq 200% load
Efficiency (Peak)	93 %
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Max Charge Voltage	64VDC
Overcharge Protection	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	6000 W
MPPT Range @ Operating Voltage	120 ~ 430 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	10A, up to 120 A
Maximum AC Charge Current	120 A
Maximum Charge Current	120 A
PHYSICAL	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	12.0
Communication Interface	USB, RS232, RS485 and Wi-Fi
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C

Product specifications are subject to change without further notice.