

Haus Ultra Series | 8KW-11KW



Pure Sine Wave Output



Output Power Factor 1.0



USB On-The-Go



Generator Compatible



BMS Communication



LiFePO4 Compatible



Mobile App



User Friendly LCD



Selectable Input Voltage Range



Dual Input & Dual Output Design



MPPT Tracker x2



Parallel Operation (6 units)



OTA Firmware Update Feature



Cold Start Function



Key Features

Dual MPPT tracker design

Dual MPPT design gives more advantage on solar power tracking with two independent PV arrays.

Higher PV power input

Accepts higher PV power input (Max. 10000W/12000W) to provide sufficient power to load and battery charging.

Dual inputs and Dual outputs

Designed to allow two independent AC power source and switch automatically to prevent power interruptions. It also equipped with programmable dual outputs for smart load management.

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.

Power flow indicators

Built-in LED bars to indicate the energy source and power flow for easy understanding.

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 6 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.

Ground Fault and Arc Fault detection (optional)

Help protect outlets from electrical accidents such as electric shocks, fire hazards and electrocution.

Grid support and built-in CT sensor

Haus Ultra has the grid-support function that allows large output power without changing the utility infrastructure and a built-in CT sensor that meets self-consumption application.

Specifications

MODEL	Haus Ultra 8KM-48	Haus Ultra 11KM-48
Rated Power	8000VA/8000W	11000VA/11000W
Parallel Capability	Yes (up to 6 units)	
INPUT		
Voltage	230 VAC	
Dual Input (Independent)	Yes	Yes
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Dual Output (Programmable)	Yes	Yes
Surge Power	16000VA	22000VA
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	
Overcharge Protection	63 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	10000W (5000W x 2)	12000W (6000W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Input Current	27A x 2 (MAX 40A)	
Maximum Solar Charge Current	150A	150A
Maximum AC Charge Current	120A	150A
Maximum Charge Current	150A	150A
PHYSICAL		
Dimension, D x W x H (mm)	145 x 438 x 553.6	
Net Weight (kgs)	18.4	
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid shutdown, AFCI detection	
External Current Sensor Port	Yes, built-in current transformer sensor	
OPERATING 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.