

Haus MPPT Series

- Pure sine wave solar Inverter
- Output power factor 0.8 and 1.0
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Battery equalization for optimized battery performance and lifecycle
- Cold start function



Specifications

MODEL	Haus 1KM-24	Haus 1KM-48	Haus 2KM-24	Haus 3KM-24	Haus P 3KM-24	Haus 3KM-48
Rated Power	1000VA/ 1000W	1000VA/ 1000W	2000VA/ 2000W	3000VA/ 3000W	3000VA/ 2400W	3000VA/ 3000W
Parallel Capability	No	No	No	No	Yes, 9 units	No
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						
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%					
Surge Power	2000VA		4000VA		6000VA	
Efficiency (Peak)	90% - 93%		93%		90%	93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)					
Waveform	Pure sine wave					
BATTERY						
Battery Voltage	24 VDC	48 VDC	24 VDC	24 VDC	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	27 VDC	27 VDC	54 VDC
Max. Charge Voltage	29.2 VDC	58.4 VDC	29.2 VDC	29.2 VDC	29.2 VDC	58.4 VDC
Overcharge Protection	31 VDC	62 VDC	31 VDC	31 VDC	30 VDC	62 VDC
SOLAR CHARGER & AC CHARGER						
Maximum PV Array Power	600W	900W	600W	600W	1000W	900W
MPPT Range @ Operating Voltage	30 VDC~ 66 VDC	60 VDC~ 88 VDC	30 VDC~ 66 VDC	30 VDC~ 66 VDC	30 VDC~ 80 VDC	60 VDC~ 88 VDC
Maximum PV Array Open Circuit Voltage	75VDC	102VDC	75VDC	75VDC	100VDC	102VDC
Maximum Solar Charge Current	25A	18A	25A	25A	40A	18A
Maximum AC Charge Current	20A	15A	30A	30A	60A	15A
Maximum Charge Current	45A	33A	55A	55A	100A	33A
Maximum Efficiency	98%					
Standby Power Consumption	2 W					
PHYSICAL						
Dimension,DxWxH (mm)	100 x 272 x 355				120 x 295 x 385	120 x 295 x 468
Net Weight (kgs)	6.8		7.0	7.4	7.5	7.4
ENVIRONMENT						
Humidity	5% to 95% Relative Humidity (Non-condensing)					
Operating Temperature	0°C - 55°C					
Storage Temperature	-15°C - 60°C					

Product specifications are subject to change without further notice.

Specifications

MODEL	Haus 4KM-48	Haus 5KM-48	Haus 5KM-48E	Haus P 5KM-24
Rated Power	4000VA/4000W	5000VA/5000W		5000VA/4000W
Parallel Capability	Yes, 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				
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%			
Surge Power	8000VA	10000VA		
Efficiency (Peak)	93%	90%		
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	48 VDC			24 VDC
Floating Charge Voltage	54 VDC			27 VDC
Max. Charge Voltage	58.4 VDC	64 VDC		29.2 VDC
Overcharge Protection	60 VDC	66 VDC		30 VDC
SOLAR CHARGER & AC CHARGER				
Maximum PV Array Power	4000W			2000 W
MPPT Range @ Operating Voltage	60 VDC~115 VDC			30 ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC			
Maximum Solar Charge Current	80 A			
Maximum AC Charge Current	60 A			
Maximum Charge Current	140 A			
Maximum Efficiency	98%			
Standby Power Consumption	2 W			
PHYSICAL				
Dimension,DxWxH (mm)	120 x 295 x 468			180 x 310 x 475
Net Weight (kgs)	12.5	13.5		12.5
ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	0°C - 55°C			
Storage Temperature	-15°C - 60°C			

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Specifications

MODEL	Haus Plus 2KM-24	Haus Plus 2KM-48	Haus Plus 3KM-24	Haus Plus 3KM-48
Rated Power	2000VA/2000W	2000VA/2000W	3000VA/3000W	3000VA/3000W
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				
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%			
Surge Power	4000VA		6000VA	
Efficiency (Peak)	90% - 93%			
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	24 VDC	48 VDC	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	54 VDC
Max Charge Voltage	29.2VDC	58.4VDC	29.2VDC	58.4VDC
Overcharge Protection	31 VDC	62 VDC	31 VDC	62 VDC
SOLAR CHARGER & AC CHARGER				
Maximum PV Array Power	1500 W	3000 W	1500 W	3000 W
MPPT Range @ Operating Voltage	60~ 115 VDC	60 ~ 115 VDC	60~ 115 VDC	60 ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC			
Maximum Solar Charge Current	60A			
Maximum AC Charge Current	20 A or 30 A (Selectable)	10 A or 15 A (Selectable)	20 A or 30 A (Selectable)	10 A or 15 A (Selectable)
Maximum Charge Current	90 A	75 A	90 A	75 A
Maximum Efficiency	98%			
Standby Power Consumption	2 W			
PHYSICAL				
Dimension, D x W x H (mm)	140 x 295 x 479			
Net Weight (kgs)	11.5			
ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	0°C - 55°C			
Storage Temperature	-15°C - 60°C			

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