



### Features



#### Parallel Connection

Parallel connection with up to 9 units



#### High-Power Module Compatibility

Higher PV input current up to 18A



#### Seamless Switchover

UPS-level switching time  $\leq 4\text{ms}$



#### Remote Monitoring

Built-in WiFi module for HaiPower monitoring



#### Enhanced Overload Capacity

2 times the rated power for 5 seconds



#### Smart Load Management

Dual AC outputs to power loads on demand priority



#### Efficient Battery Charge/Discharge

Max. 120A charge current

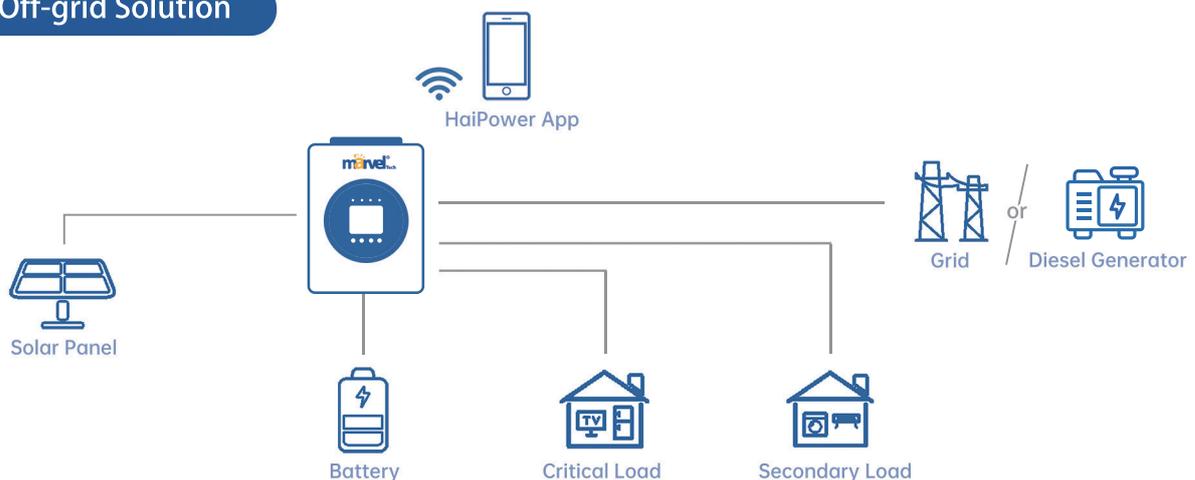
Max. 137A discharge current



#### Stylish Design

Larger screen with touch keys

### Off-grid Solution



# Specifications

## Model

MHFI-4024-AS

### Solar Input Data

Max. PV Input Power	5000W
Max. Input Voltage	500V
Start-up Voltage	60V
MPPT Voltage Range	60V~450V
Max. Input Current per MPPT	18A
Max. Short Circuit Current per MPPT	23A
Number of MPPT	1

### Battery Data

Battery Type	Li-Ion/Lead-acid
Nominal Battery Voltage	24V
Battery Voltage Range	20~30V
Max. Discharge Current	137A
Max. Charge/Discharge Power	3300W
Li-Ion Battery Activation	Yes
Li-Ion Battery Communication	CAN/RS485
Max. Solar Charge Current	120A
Max. AC Charge Current	100A
Max. Charge Current (PV+AC)	120A

### AC Input Data(Grid)

Nominal Input Voltage	230Vac, L/N/PE
Input Voltage Range	90~280V
Max. Input Current	25A
Nominal Input Power	5700W
AC Frequency Range	50/60Hz(Auto sensing)

### Inverter Output Data

Nominal Output Power	4000 with PV&battery 3300W with battery only			
Peak Apparent AC Power	6000VA	7200VA	8000VA	8400VA
Nominal AC Voltage	230V			
Nominal Grid Frequency	50/60Hz			
Voltage Waveform	Pure Sine Wave			
Transfer Time(Typ)	4ms			
Nominal Output Current	13.1A	15.7A	17.4A	18.3A
Overload Protection	30s@102%-110% load; 10s@110%-130% load; 5s@130%-200% load			
THDv (@linear load)	<3%			

### Efficiency

Peak Efficiency	94%
MPPT Efficiency	≥99.9%

### Protect

DC Surge Protection	Yes
AC Surge Protection	Yes
AC Short Circuit Protection	Yes

### System Parameters

Dimension (W*H*D)	290*424*120mm
Weight	7.1kg
Relative Humidity	5%~95% (Non-condensing)
Operating Temperature Range	-10°C~60°C
Noise Emission	≤50dB
Altitude	2000m
Cooling Method	Fan Cooling
Ingress Protection	IP20

### Characteristic

Number of AC Output	2
Display	LCD&APP
Communication Interface	RS485/ USB /CAN/ Wi-Fi
Parallel Capability	9