



HYBRID SOLAR INVERTER

MHFI-5024-C (PV 9000)




Built-in 160A Solar Charger


Wide PV Input Voltage Range 60-500V


27A MAX PV Input

DUAL Dual AC Out

BMS Support Lithium/Lead-acid Battery

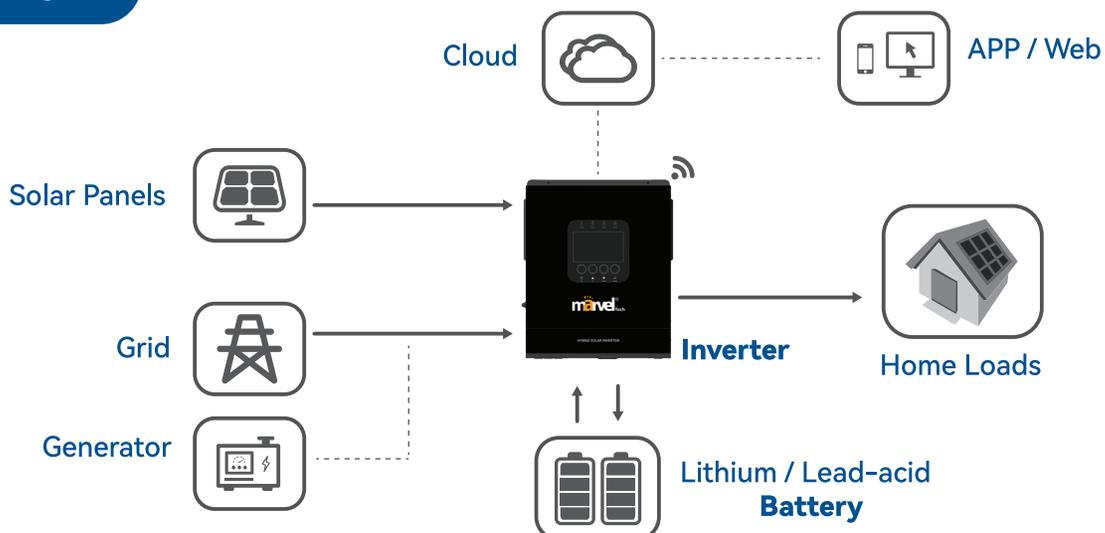

Lithium Battery Activation


Feed-in to Grid


WiFi Monitoring(built-in)


5 Inch colorful LCD Display

System Diagram



SPECIFICATIONS

Model	MHFI- 5024-C
AC Input	
Rated Input Voltage (VAC)	208 / 220 / 230 / 240; L + N + PE
Voltage Range (VAC)	90~280±3 (normal mode); 170~280±3 (UPS mode)
Frequency (Hz)	50 / 60 (Auto Adaptive)
AC Output	
Rated Capacity (kW)	5
Surge Power (kVA)	10
Voltage (VAC)	208 / 220 / 230 / 240
Power Factor (PF)	1
Frequency	50/60Hz±0.1%
Switch Time (ms)	10 (normal mode) / 10 (UPS mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%-120%load, 10s>120% load
Max. Efficiency (Battery Mode)	93.5%@48VDC
Parallel Quantity	NA
Charger (PV / AC)	
Solar Charger Type	MPPT
Max. PV Input Current / Input Power	27A / 9000W
MPPT Range@Operating Voltage (VDC)	60~450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	160
Max. AC Charge Current (A)	160
Max. Charge Current (PV + AC) (A)	160
Battery	
Rated Voltage (VDC)	24
Floating Charge Voltage (VDC)	27
Overcharge Protection (VDC)	30.5
Battery Type	Lithium and Lead-acid
Interface	
HMI	colorful LCD
Interface	RS232 / RS485 / USB
Monitoring	WiFi (built-in)
General Data	
Ingress Protection	IP21
Operating Temperature	-10 °C ~ 60 °C
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature	-15 °C ~ 60 °C
Net Weight (kg)	8.4
Dimensions (W*H*D)	410*336*110mm
Max. Operating Altitude	4000m (Derating above 1000m)