

## Inverter inbuilt 100A MPPT Controller

Model: IV3024M/IV5048M



### Product Introduction

Lithium Battery Auto-restart Function, More Convenient for Lithium Battery Charging. Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/Mains/ BatteryPower Shares.Utility Charging Voltage/PV Charging Voltage Adjustable, Match Different Battery Charging Requirements.Slim Body, Convenient Installation And Transportation

Battery Reverse Connection Protection with Fuse Switch, Safer Installation PF1.0, High Efficiency, Lower Consumption,Energy Conservation/Environmental Protection/Electricity Saving/cost Saving.Support Working without Battery: Reduce Solar System Cost.Parallel Function Up to Maximum 9 Units: Enlarge More Loads.High Precision of Output Voltage,±5%, Take Care of Your Appliances.Communication Option: External WIFI, Supervise at Any Time

# Specification

Model		IV3024M	IV5048M
AC Input voltage	Input Formation	L+N+PE	
	AC Input	208/220/230/240VAC	
	SIInput Voltage Range	154–264VAC±3V (Normal Mode) 185–264VAC±3V (UPS Mode)	
	Frequency	50/60HZ (Adaptive)	
Output	Rated Power	3000W	5000W
	Output Voltage	208/220/230/240VAC±5%	
	Output Frequency	50/60Hz±0.1%	
	Output Wave	Pure Sine Wave	
	Transfer Time (Adjustable)	10ms for Computer Equipment,20ms for Household Equipment	
	Peak Power	6000VA	10000VA
	Overload Ability	Battery Mode : Imin@102%~110% load 10s (3) 110%~130% load 3s@130%~150% load 200ms@>150% load	
	Peak Efficiency (Battery Model)	>94%	
Battery	Rated Voltage	24VDC	48VDC
	Constant Charging Voltage (Adjustable)	28.2VDC	56.4VDC
	Float Charging Voltage (Adjustable)	27VDC	54VDC
Charger	PV Charging Method	MPPT	MPPT
	Max PV Input	4000W	5500W
	MPPT Tracking Range	120–500VDC	120–500VDC
	Best VMP Working Range	300–400VDC	300–400VDC
	MAX PV Input Voltage	500VDC	500VDC
	MAX PV Charge Current	100A	100A
	MAX AC Charge Current	60A	100A
	MAX Charge Current	100A	100A
Display	LCD	It can display operating mode/load/input/output	
Communicationport	RS232	5PIN/Pitch2.54mm, Baud Rate 2400	
	Expansion Slot Communication Interface	Lithium Battery BMS Communication Card,WIFI 2x5PIN/Pitch2.54mm	
Ambient Temperature	Parallel Interface	Support Parallel	
	Operating Temperature	–10°C~60°C	
	Storage Temperature	–15°C~60°C	
	Ork Altitude	No more than 1000m, If 1000m<,Rate power will lower, MAX 4000m, Refer	
	Operating Environment Humidity	20%~95%Non Condensing	

	Noise	<50dB
Dimension	L*W*H (mm)	495*312*125mm



# HIMAX



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