

IM5048B 5.0kW 48V to 220V DC-AC Inverter



48/110/220V

Nominal Input Voltage

3.0/4.0/5.0kW

Maximum Output Power



220V

Nominal Output Voltage

Specifications				
		3kW	4kW	5kW
DC Input	Voltage (Vdc)	48V series	Work Voltage 40V-58.8V Startup Voltage 42V-57V	
		110V series	Work Voltage 90V-134V Startup Voltage 94V-132V	
		220V series	Work Voltage 180V-270V Startup Voltage 190V-265V	
AC Input	Voltage(Vac)	220±25%		
	Rated Current(A)	10.9	14.5	18.2
	Bypass Transition Time(ms)	<5ms		
AC Output	Rated Capacity(VA)	3000VA	4000VA	5000VA
	Rated Power(W)	2400W	3200W	4000W
	Rated Voltage& Frequency	220Vac, 50HZ		
	Rated Current(A)	10.9	14.5	18.2
	Voltage(V)	220±1.5%		
	Frequency Precision(Hz)	50±0.1%		
	Output Distortion(THD)	Sine wave, THD<3%		
	Power Factor(PF)	0.8		
	Over Current Protection	125%, 10 min		
	Efficiency	>90%		
	Bypass Transition Time(ms)	<5ms		
LCD or LED Interface		"line", "inverter", "battery", "fault"		
Work Environment	Isolation	PRI-SEC: 1500 VAC, 1min, 10mA		
		PRI-GND: 1500 VAC, 1min, 10mA		
		SEC-GND: 1500 VAC, 1min, 10mA		
	Noise(1m)	<40dB		
	Operating Temperature Range(°C)	-25°C to +50°C		
	Operating Humidity	0 to 90%		
	Operating Altitude(m)	<1000		
Dimension	Mechanical Dimensions W, H, D	3kW: 482mm, 88mm, 368mm		
		4kW: 482mm, 88mm, 368mm		
		5kW: 482mm, 88mm, 368mm		
	Weight	12kg	13kg	14kg
Part Numbers	IM5048B/IM50220-110A/IM50220-220A	5.0kW, 48V, 110V or 220V DC input to 220V AC output		
	IM4048B/IM40220-110A/IM40220-220A	4.0kW, 48V, 110V or 220V DC input to 220V AC output		
	IM3048B/IM30220-110A/IM30220-220A	3.0kW, 48V, 110V or 220V DC input to 220V AC output		