

IM50220-110A 5.0kW 110V 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			