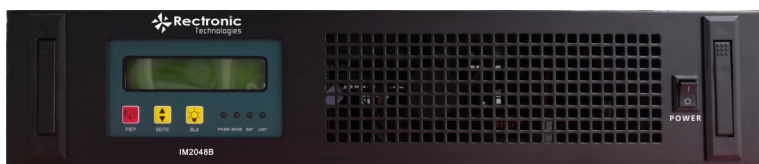


# IM2048B 2.0kW 48V to 220V DC-AC Inverter



**24/48/110/220V**

Nominal Input Voltage

**0.5/1.0/2.0kW**

Maximum Output Power



**220V**  
Nominal Output Voltage

Specifications		0.5kW	1kW	2kW
DC Input	Voltage (Vdc)	24V series	Work Voltage 20V-30.5V	
			Startup Voltage 21.5V-29.5V	
		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)	1.8	3.6	7.3
	Bypass Transition Time(ms)	<5ms		
AC Output	Rated Capacity(VA)	500VA	1000VA	2000VA
	Rated Power(W)	400W	800W	1600W
	Rated Voltage& Frequency	220Vac, 50Hz		
	Rated Current(A)	1.8	3.6	7.3
	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	482mm, 88mm, 350mm		
	Weight	5kg	5.5kg	6kg
System Numbers	IM2048B/IM20220-110A/IM20220-220A	2.0kW, 48V,110V or 220V DC input to 220V AC output		
	IM1024B / IM1048B	1.0kW, 24V or 48V DC input to 220V AC output		
	IM10220-110A/IM10220-220A	1.0kW, 110V or 220V DC input to 220V AC output		
	IM0524B / IM0548B	0.5kW, 24V or 48V DC input to 220V AC output		
	IM05220-110A/IM05220-220A	0.5kW, 110V or 220V DC input to 220V AC output		