

IM10220P48A 1.0kVA 48V Modular Inverter



48V

Nominal Input Voltage

1.0kVA

Maximum Output Power

230V

Nominal Output Voltage



Specifications				
			1kVA	3kVA
DC Input	Voltage (Vdc)	24V series		
		48V series	Work Voltage 42V-59V	
		110V series		
		220V series		
AC Input	Voltage(Vac)	176 - 264V		
	Rated Current(A)			
	Bypass Transition Time(ms)		<12ms	<12ms
AC Output	Rated Capacity(VA)		1000VA	3000VA
	Rated Power(W)		800W	2400W
	Rated Voltage& Frequency	230Vac, 50Hz		
	Rated Current(A)		4.5A	13.7A
	Voltage(V)	230±1.5%		
	Frequency Precision(Hz)	50±0.1%		
	Output Distortion(THD)	Sine wave, THD<3%		
	Power Factor(PF)	0.8		
	Over Load Capability	125%, 10 min		
	Efficiency	>90%		
Load Regulation	<1%			
Communication Interface		RS485, Dry Contacts		
Work Environment	Dielectric Strength	2000VAC , 1min		
	Noise(1m)	<45dB		
	Operating Temperature Range(°C)	-10°C to +45°C		
	Operating Humidity	0 to 90% Non Condensing		
Dimension	Operating Altitude(m)	<3000, derated by 1% for every 100m altitude increases		
	Mechanical Dimensions W, H, D	216.5x43.6x418.5mm; 216x87.5x421mm		
	Weight		3.9kg	7.2kg
Model Numbers	IM10220P48A	1.0kVA 48V DC input to 230V AC output		
	IM30220P48A	3.0kVA 48V DC input to 230V AC output		