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## 24VDC/48VDC 10KW 3-phase Sine Wave High-Frequency Inverter

### Features:

- Strong load capacity and wide load adaptability, suitable for three-phase motors such as air conditioners, freezers, and robotic equipment.
- Each of the three phases can independently carry loads. This three-phase inverter can handle both three-phase and single-phase loads, meeting diverse load requirements.
- A comprehensive range of protection modes ensures excellent performance.
- High- and low-voltage isolation design ensures safe and reliable operation.
- High-reliability design meets the requirements of vehicles, ships, and other environments.
- Low idle consumption and high efficiency make it suitable for use in solar power generation systems.
- Compact size, light weight, high power density, and easy operation.
- Input voltage is 24V/48V DC, and output is three-phase AC.

### Specification:

Item		Model			
		IPS-10KW-3P	IPS-15KW-3P	IPS-20KW-3P	IPS-25KW-3P
Output Parameters	Rated Power	10KW	15KW	20KW	25KW
	Peak Power	20KW	30KW	40KW	50KW
	Output Voltage	Three-phase:110V/190VAC±5% or 220V/380VAC±5%			
	Output Frequency	50Hz/60Hz±0.5%			
	Output Waveform	Pure Sine Wave			
	Waveform Distortion Rate	<3% (Linear Load)			
	Efficiency	90%			

Input Parameters	DC Input Voltage	24V/48V			
	Low Voltage Alarm	24V:21±0.8V		48V:42±1.5V	
	Low Voltage Shutdown	24V:20±0.8V		48V:40±1.5V	
	High Voltage Shutdown	24V:31±0.8V		48V:62±1.5V	
	No-load Current 48V	≤1.5A	≤1.6A	<1.7A	≤1.9A
Other	Protection Features	Overload protection/short circuit protection/over temperature protection/low voltage protection/high voltage protection/phase loss protection			
	Operating Temperature	-10℃~40℃			
	Operating Humidity	20%~90%RH			
	Storage Temperature	-30℃~70℃			
	Cooling Method	Automatic temperature controlled cooling fan			
	Case Dimensions	660*460*217MM	660*586*217MM	660*586*217MM	660*586*217MM
	Weight	36KG	39KG	48KG	50KG
Application	Typical Load	Air conditioners, freezers, refrigerated truck compressors, three-phase motors, etc.			
	Application	Solar systems, vehicles, yachts, robots, refrigeration systems, home and office applications			

