

Frequency Converter

Industrial Power Supply

Features

- Frequency Conversion
- Voltage Conversion
- Special Phase Conversion:
1 Phase To 3 Phase;
3 Phase To 1 Phase
- Well protection and fault alarm function
- Complete Electrical Line Isolation
- True Sine Wave Output
- Quick response time <20ms
- High accurate output voltage and frequency

Overview

MODERN Frequency Converters are available in several different configurations to suit any frequency conversion need. Inputs and outputs are available in any combination of 50, 60, and 400 Hz. Frequency converters are very commonly used to test products designed for use in a different country before it is shipped. Using a frequency converter allows you to precisely emulate the grid power of your target environment in a controlled laboratory setting. They may also be employed when powering machinery from overseas.

Specifications

Circuit mode	IGBT/PWM pulse width adjustment mode
Wire system	3-phase-5-wire-system
Input voltage	Phase to phase: 265-495V
Input frequency	30-70Hz
Output voltage	Phase to phase: 380V
Output frequency	50/60Hz, 400Hz optional
Frequency stability	$\leq \pm 0.01\%$
Insulation resistance	Above 500Vdc 20M Ω
Pressure endurance insulation	1800Vac/5Ma/1minute
Cooling device	Compulsive fan cooling
Noise	<55dB
Wave deformation	$\leq 2\%$
Reaction time	Dynamic response quick, when load 0-100% change, the steady-state response time <20ms
Efficiency	Efficiency more than 90%, be suit for wide-load, can be for the inductive, capacitive, resistive, and any mixed loads
Protective device	The importation of non-fuse switch, without output fuse switch, the electronic circuit to detect over-voltage express ,Over voltage, over current, over temperature, over load, short circuit, and automatic alarm
Display	Digital frequency meter, Digital voltage meter, Digital current meter, Digital power/PF meter
Ambient temperature operating	-10°C to +50°C
Altitude	<1500m
Relative humidity	<90%

