

AC Power Supply

Three-phase Output AC Power Supply (Single-phase Input) ATS-3100 Series



ATS-3130

Product description:

ATS-3100 series is special made type single-phase input, three-phase output Frequency Conversion AC power supply can simulate the grid voltage at household or small laboratory didn't has three-phase output voltage. So that. Tessio provided to satisfy as the cutsomer usges as well.

Features

- It adopts touch screen operation mode, which is simple and convenient to use.
- High-frequency SPWM hardware adjustment technology, fast response and stable output.
- It adopts 7-inch LCD color screen display, which has a large viewing angle and is clear and eye-catching.
- Driven by high-power IGBT, the operation is reliable and the overload capacity is strong.
- It has protection functions for various abnormal conditions such as overheating, overcurrent, short circuit, output overvoltage, output undervoltage, and output shortage.
- Power supply abnormality protection, displaying the corresponding fault code, which is convenient for users to find the cause of the fault.
- Communication interface RS-232, RS-485, etc.

Specifications

Model	ATS-3103	ATS-3106	ATS-3110	ATS-3130
Output Capacity	3kVA	6kVA	10kVA	30kVA
Input Parameters				
Isolated Function	Built-in Isolated transformer			
Input Power	220V±10%, 50/60Hz±3Hz			
Wire Connection	Single-phase, 2 Wire + PE			
Output Parameter				
Output Mode	Three-phase, 4 Wire + PE			
Output Voltage	Auto	Phase voltage : (Low gear) 1.0 ~ 150.0V(L-N) or 0 ~ 260.0V(L-L), phase voltage (High gear) : 1 ~ 300.0V (L-N) or 1 ~ 520.0 (L-L)		
	High Lock	Phase voltage : 1.0 ~ 300.0V (L-N), Line voltage : 1 ~ 520V (L-L)		
Output Current	120V	8.4A	16.8A	83.3A
	240V	4.2A	8.4A	41.6A
Output Frequency	45Hz ~ 65Hz			
Setting Accuracy	Voltage	Resolution : 0.1V, Accuracy : 0.2% x reading value + 0.2% x full range value		
	Frequency	Resolution : 0.1Hz, Accuracy : 0.05%		
Measurement Accuracy	Voltage	Resolution : 0.1V, Accuracy : 0.5% x reading value + 0.5% x full range value		
	Frequency	Resolution : 0.1Hz, Accuracy : 0.05%		
	Current	Resolution : 0.1A/1A, Accuracy : 0.5% x reading value + 0.5% x rate output value		
Power	Resolution : 0.1kW/0.01kW/0.001kW, Accuracy : 0.5% x reading value + 0.5% x full range value			
Frequency Stability	≤0.1%			
Voltage Stability	≤1%			
Waveform Distortion	≤2% (Resistive load THD)			
Crest Factor	3:1			
Source Voltage Effect	≤1%			
Load Effect	≤1%			
Three-phase difference	Three-phase standard mode : 120° ±2°, phase difference can be customized and adjustable from 0 ~ 360°			
Overload Capacity	105% < output ≤ 110% : the output will be shut off within 15s			
	110% < output ≤ 200% : the output will be shut off within 5s			
	200% < output : the output will be shut off immediately.			
Protective Device	IGBT overheat, IGBT overcurrent, Transformer overheat, Input overvoltage, Input undervoltage, Output overvoltage, Output undervoltage, Output overvoltage, Output overload, Output short circuit			
Efficiency	>85%			
Functions				
Display Mode	Touch-screen display			
Online Adjustment Function	Output voltage and output frequency can be adjusted online (45.0 ~ 65.0Hz)			
Memory Function	Power-off memory function, can memorize the last output mode and parameters			
Communication Interface	RS-232 (standard), RS-485 (optional)			
Remote Control	Analog control port (optional)			
General Features				
Temperature	-10°C ~ 40 °C, Altitude ≤2000m			
Humidity	10% ~ 90%RH			
Dimension (WxHxD) mm.	430x470x520	500x900x680		590x1100x800
Weight (kg.)	80	160	200	350