

AC Power Supply

Single-phase Output AC Power Supply ATS-9000 Series

► Product description:

ATS-9000 series is AC variable frequency power supplies have a full range of power from 500VA to 500kVA and are widely used in home appliances, motors, laboratories and other places. It provides stable pure sine wave output, suitable for inspection of equipment, especially for industry, home appliances, etc., meet the needs of R&D, production line inspection, QC inspection, durable voltage and frequency.



Features

- Fast dynamic response speed, voltage mutation reaction time is within 20ms.
- Output voltage and frequency are adjustable in the startup state, making it flexible to use
- The use of accurate anti-impact technology, can withstand the load of large current impact, 2 ~ 3 times inrush current can mature 1-2sec.
- Built-in measurement circuit, capable of measuring voltage, current and other electrical energy parameters.
- It has intelligent monitoring function, which can monitor internal voltage, current, temperature and other parameters in real time. Once an abnormality occurs, it will immediately alarm and prompt the operator to deal with it in time.
- The main components are purchased from well-known international brands. Key circuits such as drivers and filters have been tested by customers for many years. The product quality is reliable, stable and durable.
- The key technical indicators of the whole machine adopt the multi-redundancy design concept. The voltage stress, current stress and heat generation have all undergone rigorous technical demonstration and strict type testing, with high reliability and long life.

Specifications

Model	ATS-9000	ATS-9001	ATS-9002	ATS-9003	ATS-9005	ATS-9010	
Output Capacity	500VA	1kVA	2kVA	3kVA	5kVA	10kVA	
Input Parameters							
Isolated Function	Built-in Isolated transformer						
Input Power	220V±10%, 50Hz±5%						
Wire Connection	Single-phase, 2 Wire + PE						
Output Parameter							
Output Phase / Mode	Single-phase, 2 Wire + PE, standard sine wave						
Output Voltage	Automatic	Low gear : 1.0 ~ 150.0V (rated voltage 110.0V) / High gear : 150.1 ~ 300.0V (rate voltage 220.0V)					
Voltage	High Lock	1.0 ~ 300.0V (rate voltage 220.0V)					
Output Current	110V	4.5A	9.2A	18.2A	27.4A	45.6A	91.0A
Current	220V	2.2A	4.5A	9.1A	13.7A	22.8A	45.4A
Voltage Setting Accuracy	Accuracy: ≤0.5%, Resolution: 0.1V						
Output Frequency	45Hz ~ 65.0Hz, Fixed frequency output : 100Hz, 120Hz, 200Hz, 240Hz						
Frequency Setting Accuracy	≤0.1%, Resolution : 0.1Hz						
Frequency Stability	≤0.1%						
Voltage Distortion (V-THD)	≤1%						
Distortion Degree	≤2% (Linear load)						
Reaction Time	≤2ms						
Voltage Sudden Change time	≤20ms						
Crest Factor	1.41 ±0.1						
Source Voltage Effect	≤1%						
Load Effect	≤1%						
Efficency	≥85%						
Measurement Display							
Display Mode	High-brightness LED display						
Voltage Meas. Accuracy	Accuracy : 0.2% FS + 0.3% display value resolution : 0.1V						
Frequency Meas. Display	Accuracy : 0.1%, Resolution : 0.1Hz						
Current Meas. Display	Accuracy : 0.5% FS + 0.5% display value resolution : 0.1A/1A						
Functions							
Automatic Memory	Automatic memory of set parameters and automatic call upon startup						
Real-time Adjustment	In the startup state, the output voltage and output frequency setting vale can be adjustment in real time and Output is updated immmed.						
Voltage Drop Compensation	Impedance compensation : 0.001 ~ 0.999Ω						
Protection							
Overload Capacity	105% < Output ≤ 110%, the output will be stopped within 15s						
	110% < Output ≤200%, the output will be stopped within 5s						
	200% < Output ≤ 300%, the output will be stopped within 1s						
	300% < Output the output will be stopped immediately						
Protective Device	Output overcurrent, overload protection, output short-circuit protection , overheat protection						
Remote Interface	Standard RS-232, Optional : RS-485, Analog-output						
Work Environment	Temperature : 10 °C ~ + 40 °C, Relative humidity : 20% ~ 90% (non-condensing)						
Dimension (WxHxD) mm.	483x177x452	483x490x390	483x780x390	483x905x650			
Weight (kg.)	32	35	50	55	73	197	