

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)						
	High Lock	1.0 ~ 300.0V (rate voltage 220.0V)						
Output	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%						
Efficiency		≥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 immed.						
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	