



AUTOMATIC TEST SYSTEM

Power Supply ATS / T8000, T9000

Features

- Modular design for building systems based on your requirements
- Expandable power electrical load fulfills a variety of power supply tests
- Built-in international standard function test items
- Intuitive software interface for easy operation
- Supports customizable test reporting
- Can test multiple UUT simultaneously for higher testing efficiency

Easy to Operate for Efficient R&D Processes

Delta's Power Supply ATS has built-in standard functional test items, including for input/output, status, and circuit protection testing. It supports simultaneous multiple UUT test with simple editing ability and automatic operation to effectively improve R&D and manufacturing processes. With the flexibility of hardware and software expansion, it is suitable for various power supply tests.

Power Supply	Adapter	Industrial Power	Server Power	APM
Power	<300W	<1600W	<3000W	<5KW
Type	AC-DC	AC-DC	AC/DC-DC	DC-DC
				

Feature Highlights

Optimal Test Efficiency

Run automatic tests via the Smart 1 ATS system to shorten the testing process.

- Built-in standard power supply test items
- Supports multiple UUT tests simultaneously
- Up to $\pm 0.025\%$ accuracy

Flexible Configuration

Build systems according to specific power requirements.

- Modular design to meet flexible power requirements
- Scalable power electrical load
- Expandable test items

Intuitive Operation

Shallow learning curve for editing testing processes.

- Intuitive UI
- Easy to set up parameters, including multiple UUT tests
- Automatically generate reports and save time



Simple editing process and automatic testing improve testing efficiency

Smart 1 ATS System

Delta Smart 1 ATS System can be utilized to perform complete tests or selected test items. The open architecture design also gives flexibility for software expansion.



Integration

Integrates test equipment, processes, and interfaces



Quick

Quickly conducts standard power supply test items



Flexibility

Flexible test conditions and report template setting



Smart

Smart integration of automatic production line and MES system

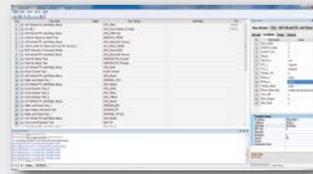


Customization

Customized design and test program to meet customer needs

Main Functions

- Test equipment configuration
- System management
- Test item/program editor
- Test execution/report generation
- MES/shop floor system integration



Operation



Report

Complete Test Item

The System has built-in standard functional test items, users can easily perform complete tests or selected test items via Smart 1 ATS system. Additionally, system offers flexibility for test item expansion.

Standard Power Supply Test Item

Output Performance	Input Characteristics	Regulation
DC output voltage	Input inrush current	Voltage regulation
DC output current	Input RMS current	Load regulation
DC output power	Input power	Voltage / load integrated regulation
Peak-Peak noise	Input power factor	Dynamic load regulation
RMS noise	AC cycle drop out	Synchronous dynamic load regulation
Efficiency	Input voltage ramp	
In-test adjustment		
In-test adjustment		

Protection Tests
Short circuit
OV protection
OP protection

Timing & Transient
Turn on time
Rise time
Fall time

Special Power Supply Test Item (expandable)

Special Tests
Average efficiency test
ID Pin signal measurement
Quick Charge 2.0
Verification Test
Pump Express
Charger test

Special Functions
TTL signal control
Relay control



Delta



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