



Industrial Equipment

Energy-Recycling Burn-in Chamber / M48000

Features

- Integration of burn-in system, management system and energy recycling system
- Divided design allows for testing 2 types of UUT simultaneously
- Can connect with MES/ERP system to improve test processes
- Complete protection for users and equipment
- Built-in BIMS for real-time monitoring
- Effectively recycle testing energy to save on utility costs



OBC



Adapter



Industrial Power



Server Power



Telecom Power



EV Charger



Complete Integration for Efficient, Energy-saving Burn-in Testing

Delta integrates burn-in system, energy recycling system, and BIMS management system to build a one-stop energy recycling burn-in chamber. The two-side design allows 2 types of UUT test to be performed at the same time, and intuitively monitor parameters through Delta BIMS. The system features over-temperature, over-current, leakage, and open circuit protection to provide complete protection for users and equipment. It is equipped with an energy recycling system to recycle test power back to the power grid. This solves the problem of massive energy consumption during testing, which effectively reduces your utility costs. It can also integrate MES/ERP systems for remote analysis and monitoring to improve the efficiency of burn-in testing.

Feature Highlights



Comprehensive Protection

- Test voltage electrical interlock
- Overcurrent, short circuit, and open circuit protection of control power
- Leakage and grounding protection



Energy Recycling

- Modular design for flexible expansion



Equipment Monitoring

- Door sensor
- Temperature sensor
- Smoke detector
- Fan pressure detector
- Independent power and voltage meter

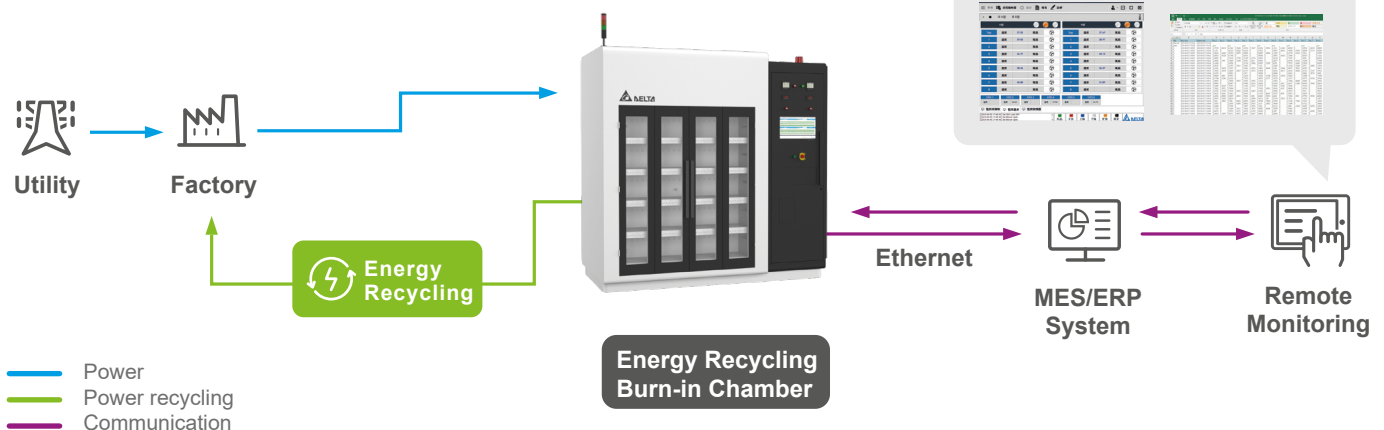


Systematic control

- Burn-in management system (BIMS)
- Equipment and UUT monitoring
- MES/ERP integration



Energy Recycling and Remote Programming



Burn-in Management System



System Management

- Parameter setup
- User management
- Communication management
- Burn-in file reader
- Burn-in procedure editor

Digital Monitoring

- Burn-in real-time status
- Burn-in procedure step chart
- Temperature status
- Energy recycling system status

Burn-in Result Report

- Automatic report generation
- Comprehensive burn-in status
- Supports cloud storage
- Database tracking

Specification

Model	M48000
Mechanism	
UUT Capacity	96 PCS x 2 ares · max. 192 PCS
AC Input	3Φ380Vac
Burn-in Test	
AC Output	90V, 110V, 220V, 264V, 380V
Maximum Power	48kW
Burn-in Area	2 sides
Layer	8 layers
Channel (per layer)	12 Channels
Power of Each Channel	250W
Voltage of Each Channel	2 ~ 60 Vdc
Current of Each Channel	0.5 ~ 20 A
Height / Depth / Width (layer)	260 mm / 380 mm / 1480 mm
Transformer	60kW
Temperature Control	
Temperature Range	RT+10°C ~ 60°C
Raising Time	25°C to 40°C ≤ 20 min
Temperature Distribution	±5°C (tested after 30 mins of no-load)
Temperature fluctuation	±5°C
Environment	
Operation Temp. Range	0~40°C
Safety Device	Three-color light, stop button, indicator, defective product detector, overheated warning, smoke detector
Protection	Grounding, Over Temperature, Leakage, Overload, Door-opening Power-off
Dimension (L x W x H)	3200 x 1380 x 2280 mm



Delta



Wechat

Delta Electronics Inc.

G-DELTA-IE@deltaww.com

www.deltaww.com

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