

Green 128E

Flexibility, accuracy and repeatability in environmental testing

- **High performance, Low cost**
- **Field upgradeable**
- Tight temperature control from -34°C to +100°C
- Relative humidity control from 5% to 95%
- Complete turnkey storage device testing system

The **Green 128E** environmental test system delivers accurate testing with consistency over a wide range of temperature and humidity. The well-proven Flexstar software simplifies testing with a familiar GUI and the ability to easily create and modify test scripts with no programming expertise required.

The system is engineered to provide uniformity of airflow to minimize temperature gradients within the chamber. The chamber can be controlled from -34°C to +100°C with RH from 5% to 95% between 9°C and 85°C.

The combination of the Flexstar software and single board computer (SBC III) provides the bandwidth and flexibility to be able to handle the fastest drives at maximum speed.

Customers ordering the **Green** systems have a choice of three power cards depending on the application.

1. Bulk Power
2. Variable Power Margined
3. Network Power Margined

Individual drive locations may be programmed to run different tests at the same time. Failed drives can be debugged in place while the tests continue to run and the optional serial port data capture capability enables access to the device under test even if the interface is not responding.

The **Green 128E** tester supports industry-standard storage device interfaces, SAS/SATA up to 6G and an optional USB interface.

The **Green 128E** advanced environmental tester enables flexible, accurate and repeatable mass environmental testing for any storage device.



Product Specifications

Input Power Requirements

- Voltage: 200 to 230V AC @ 61A single phase, 49A three phase
- Frequency: 50 to 60Hz

Mechanical

- Exterior Dimensions: 83" x 54" x 81" (211cm x 137cm x 206cm)
- Weight: 2100 lbs (955 kg)
- Test enclosure:
 - Two towers at 16" x 16" x 48" (40.6cm x 40.6cm x 122cm)
 - Capacity: 128 x 2.5" or smaller drives

Environmental

- Temperature range: -34°C to + 100°C
- Relative Humidity control from 5 to 95% RH between 9°C and 85°C
- Air temperature consistency between drive locations: +/- 3°C

Power Options

- Bulk Power: 3.3v, 5v, or 12v
- Variable Power: Margined, voltage read back only
- Network Power: Margined, complete power testing

Key Features

- Complete turnkey system
- Built-in LCD monitor and keyboard shelf
- Seek timing tests: 1 track, 1/3 stroke, maximum track, and average seeks
- Independent 3.3V, 5V and 12V voltage
- Easy software upgrades via the remote boot architecture
- Read / Write testing with variable data patterns
- Comprehensive parametric testing
- Oven control and synchronization via the test script