

ETS SERIES

ELECTROLYSER Stack Test Station



- » Power ranges from 50W to 100kW
- » Fully automated for unattended operation
- » Easily expandable for additional I/O and diagnostic tools
- » Automated hardware and software safety features
- » Remote monitoring and control
- » Available CE certificate of conformity



ETS Series Features

Performance Commitment:

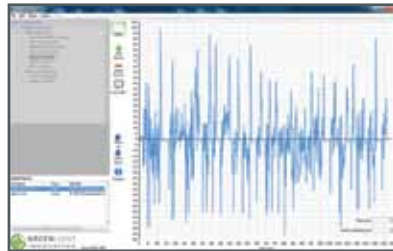
At Greenlight, we pride ourselves on making the world's best battery testing equipment. We are committed to your satisfaction and we will do whatever it takes to meet or exceed your expectations.

- » Anode and cathode DI water supply with optional recirculation
- » DI water and gas separation on outlet
- » Pressurized control on both anode and cathode
- » In-line oxygen and hydrogen gas sampling
- » Nitrogen purge and pre-pressurization
- » Optional oxygen and hydrogen collection tanks
- » Optional gas chromatography available

HyWARE II

- » User friendly control interface
- » HyAL Automation Language with Script Writer using boolean and simple English language commands
- » Load Cycle Importer for converting load profiles into automated test scripts

Load Cycle Importer Graph:



Script Writer Graph:



Specifications

Includes 3 levels of safety:

1. Hard-wired interlocks with manual emergency stop
2. Factory software interlocks
3. User-configurable software interlocks (warning high/low alarms and shut-down high/low alarms)

Optional:

- » Gas detection
- » Flame detection
- » Fire suppression

POWER RANGE	50W - 100kW
WATER FLOWS	Anode and cathode DI water supply with metering pumps
PRESSURE CONTROL	Up to 50 bar (725 psi), with N ₂ pre-pressurization control
STACK COOLING	Anode and Cathode DI water cooling with recirculation
POWER SUPPLY	Constant current, constant voltage, up to 1000A and 1000V
DATA ACQUISITION SYSTEM	Cell voltage and temperature
DIMENSIONS (L x H x W) approximate	1400 x 1800 x 1130 mm (54 x 72 x 45 in)

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