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AMETEK®
PROGRAMMABLE POWER

Surround the Inverter

# New TerraSAS™ ETS Standalone PV Simulator

## What it Does

The Elgar ETS PV Simulator is a programmable digital power source designed to simulate the dynamic electrical behavior of terrestrial photovoltaic arrays.

## Why You Want One

The ability to simulate any fill factor and material technology allows the simulator to characterize MPPT performance of PV inverters or charge controllers.

## Feature

Low output capacitance and high closed loop bandwidth.

Scalable, modular architecture that can be used standalone or integrated into a multi-channel system.

Built in PV panel parameters and dynamic irradiance profiles.

## Benefit

Fast enough to keep up with advanced MPPT algorithms in next generation inverters.

Future proof investment: low barrier of entry, plus ability to scale up to meet future power demands.

Spend less time programming I-V curves and test scripts; more time optimizing inverter tracking efficiency.



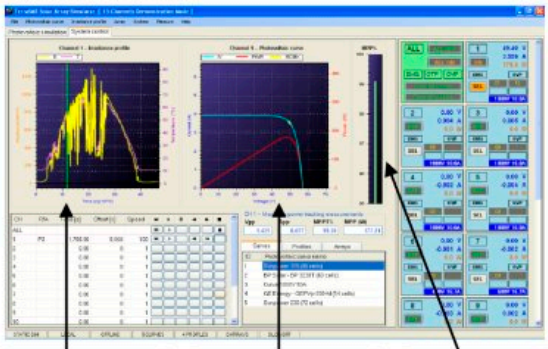
ETS60 AND ETS80 FOR MICROINVERTERS AND DC POWER OPTIMIZERS



ETS600 AND ETS1000 FOR STRING INVERTERS



INTEGRATED MULTI-CHANNEL SYSTEM




**Specifications**

| Model Number | ETS60 | ETS80 | DCS80 | ETS600 | ETS1000 |
|---|---|---|---|---|---|
| Output voltage, Voc (V) | 60 | 80 | 80 | 600 | 1000 |
| Output current, Isc (A) | 14 | 10.5 | 15 | 25 | 10 |
| Output power @ 0.85FF (W) | 714 | 714 | 1020 | 12750 | 8500 |
| MPP tracking speed (Hz) | 2000 | 2000 | 120 | 100 | 200 |
| I-V curve resolution (# of pts) | 1024 | 1024 | 1024 | 1024 | 1024 |

***To learn more, visit www.pvinvertertest.com***

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