

## High Performance Solar Array Simulation Power Supply



- ▶ 2 independent, isolated 600W channels or 1 1200W channel in 1U
- ▶ Voltage: 40 V to 220 V
- ▶ Current: 2.72A to 20A
- ▶ 2μ second shunt switching recovery
- ▶ Peak Power Tracking
- ▶ Primary and secondary over voltage and over current
- ▶ Output electronic circuit breaker
- ▶ Built in fault data recorder
- ▶ Power On Self-Test
- ▶ Active power factor correction (PFC)
- ▶ Color touch panel monitoring
- ▶ Standard LAN interface
- ▶ Full remote control via AMETEK SAS software or SCPI commands

Example of a fully integrated Solar Array Simulator

30 channel  
600W/ch  
18KW total



## SEQUOIA SERIES

California Instruments<sup>™</sup>

### PRECISION PROGRAMMABLE REGENERATIVE GRID SIMULATORS FEATURES AND CAPABILITIES

- ▶ 0 - 333VAC, 0 - 3.000A / PHASE 15KVA - 1.08MVA
- ▶ Single Solution for: AC/DC Programmable Power Source, AC/DC Grid Simulator, AC/DC Resistive or Complex Electronic Load
- ▶ Dual Voltage ranges that support over voltage testing on 480V based systems
- ▶ 500uS time resolution for Transients
- ▶ Virtual Panels control software included
- ▶ Non-Linear current waveform programming during Load mode
- ▶ Phase coordination among multiple units (LKM/LKS)
- ▶ Powerful set of analog controls for PHIL and Modulation tests
- ▶ Trigger In & Out to permit extensive coordination with external systems
- ▶ Extensive Onboard diagnostics
- ▶ Digital I/O, including RS232, USB, Ethernet (GPIB optional)
- ▶ Auto-parallelism for maximum flexibility with multi-chassis configurations

