





# Sorensen

Power (kW)	12kW	25kW	37kW
Voltage (V)	Maximum Current (A)		
600	50	100	150
1500	-	50	50
2000	-	50	50

\*Global pricing for base units without options, Incoterms Ex Works (EXW) San Diego, California, USA.

## High Performance, Modular Bidirectional, Regenerative Programmable DC Power System

- Full DC source and sink capabilities with power levels from 12 kW up to 37 kW
- · Fully scalable up to 1.2 MW with parallel systems
- Available voltage ranges of 600V, 1,500V and 2,000VDC in a 4U rack chassis providing full power up to +/-150A within a single system.

The Mi-BEAM Series is designed for testing today's complex, high power electronics for the automotive, energy storage, industrial, and aerospace markets in a variety of applications. This platform covers all test needs through the product life cycle from advance research and development (R&D), to design validation, and production test requirements.



# Asterion



# High Performance Programmable AC / DC Power Source



#### **Asterion AC Series Advanced Features**

- High power density in 1U / 2U / 4U / 14U chassis up to 18kVA
- · Auto paralleling for higher power
- Voltage: 0-400VAC/0- 500VDC, Current: 0-60Arms/phase, Power: 500VA - 36000VA
- · Complete avionic test suites (optional)
- Standard LXI LAN, USB and RS232, optional GPIB

#### **Asterion AC Series Advanced Features**

- · Commercial and military avionics test
- AC power simulation
- Frequency & voltage conversion
- IEC standards testing

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## 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

# **SEQUOIA SERIES**

### PRECISION PROGRAMMABLE REGENERATIVE GRID SIMULATORS FEATURES AND CAPABILITIES

- 0 333VAC, 0 3000A / 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-paralleling for maximum flexibility with multi-chassis configurations



Example of a fully integrated Solar Array Simulator

30 channel 600W/ch 18KW total



California Instruments



