



## Performance. Reliance. Brilliance.

Inspired by the enduring power of a brilliant star, the new California Instruments Asterion line of AC power sources by AMETEK Programmable Power combines intelligence and flexibility to create an entirely new platform of AC solutions. This easy-to-configure design features sophisticated technology for delivering high performance, programmable AC and DC power. Its sleek design packs maximum power density into a low-profile form factor with an intuitive touch screen interface placing that power at your fingertips. Centralized control and unparalleled modularity make Asterion the most adaptable platform on the market. Its ground-breaking capabilities set a new standard for affordable, precision power sources.

A star is born. **Introducing Asterion.**



### Advantages:

- Maximize rack space utilization with leading AC power density in a 1U chassis
- Full output power over widest voltage range with iX2™ technology
- Quickly and expertly control AC source with intuitive touch screen

### Advanced Features:

- Up to 1.5kVA in 1U chassis form factor.
- Intuitive touch panel control.
- iX2™ current doubling technology.
- Multi-language for global operation.
- Auto paralleling for higher power.
- Combine units for multi-phase configurations.
- Complete optional avionic test suites.
- ATE version available.

### Markets & Applications:

- Commercial and military avionics test.
- AC power simulation.
- ATE applications.
- Manufacturing and process control.
- Frequency and voltage conversion.
- IEC standards testing.

# Asterion AC Series: Product Specifications & Details

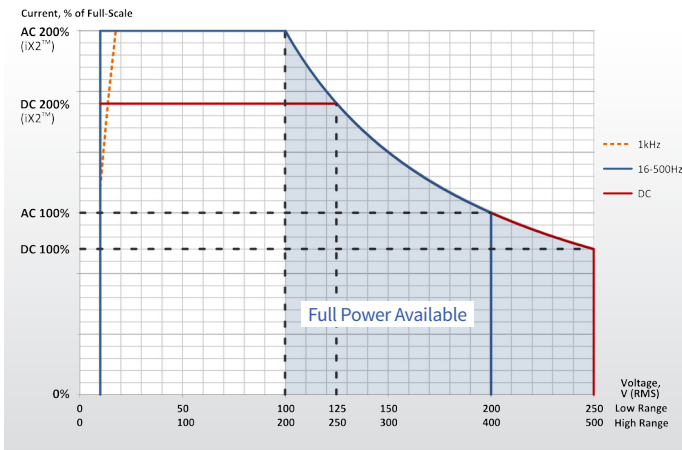
AC/DC Output Specifications			
Model	AST501	AST751	AST1501
Output Power	500VA (500W) 1 $\Phi$ <sup>1</sup>	750VA (750W) 1 $\Phi$ <sup>1</sup>	1500VA (1500W) 1 $\Phi$ <sup>1</sup>
AC RMS Voltage Ranges	0-200V/0-400V	0-200V/0-400V	0-200V/0-400V
AC RMS Current at Max V Range	2.5A/1.25A	3.75A/1.875A	7.5A/3.75A
iX2 AC RMS Current	5A to 100V in 200V Range; 2.5A to 200V in 400V Range	7.5A to 100V in 200V Range; 3.75A to 200V in 400V Range	15A to 100V in 200V Range; 7.5A to 200V in 400V Range
DC Voltage Ranges	0-250V/0-500V	0-250V/0-500V	0-250V/0-500V
DC Current at Max V Range	2.0A/1.0A	3.0A/1.5A	6.0A/3.0A
iX2 - DC Current	4A to 125V in 250V Range; 2.0A to 250V in 500V Range	6A to 125V in 250V Range; 3.0A to 250V in 500V Range	12A to 125V in 250V Range; 6.0A to 250V in 500V Range
Common Specifications			
Input Voltage Operating Range	90-264VAC <sup>2</sup>	Control Interfaces	LAN, USB, RS232. Analog/EXTD Standard, GPIB Optional
Input Frequency	47-440 Hz	Output Operational Modes	AC, AC + DC, DC
Power Factor, Typical	0.98; active PFC, 50/60Hz nominal line	Output Frequency	DC, 16Hz - 1000Hz standard, 5000Hz optional

<sup>1</sup> Easily combine chassis for higher power and/or multi-phase applications.

<sup>2</sup> At 1500 W derate output power from 1,500 W at 103.5 VAC to 1,300 W at 90 VAC.

## Asterion Output Current Rating for 16Hz and DC

See Data Sheet for Ratings > 1kHz to 5kHz



All Asterion sources employ AMETEK's latest current enhancing technology, iX2™. iX2 current doubling technology enables output current to increase linearly up to two times the full voltage current as the voltage decreases from range maximum to one-half of range voltage. iX2 technology results in a source that **DELIVERS FULL POWER OVER THE WIDEST VOLTAGE RANGES!** This eliminates the need to buy overpowered sources just to reach low line current requirements.

## Virtual Panels



Virtual Panels allow remote control of the Asterion AC power source as well as programming communication and monitoring for the Asterion ATE model without front panel display.

Avionics Test



Power Simulation



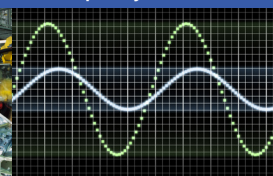
ATE Applications



Manufacturing



Frequency Conversion



IEC Standards Testing

