

AV-800 Technical Specifications

Utility Requirements

Voltage	3-phase, 480Vrms, +10%/-15%, ≤ 5% imbalance
Current	1000 Arms
Frequency	60±2Hz
Ground	Connected to chassis

AC Power Quality at Rated Power

Power Factor	>99% at rated power
Harmonic Distortion	<5% THD, at the rated power

DC Output

Operating Range

Configuration	Voltage	Current	Power
<u>Dual Channel Operation</u>			
Each channel (independent)	8 to 800VDC	+/- 500 ADC	±400kW
<u>Single Channel Operation</u>			
External Parallel (see attached Power curves)	8 to 801VDC	+/- 999ADC	±800kW

The above ranges are the maximum allowed by the system. Voltage, current and power limits within the above ranges can be set by the user based on the load and test requirements.

Accuracy / Resolution

Voltage	±500mV or .15% of the reading	Res 200mV
Current		
Each channel	±500mA or .25% of the reading	Res 100mA
External Parallel	±1000mA or .35% of the reading	Res 100mA
Power	±500W or .30% of the reading	Res 100W
Current Ripple on DC output:		
Each Channel	<1.0Arms	
Max AC ripple from load	<15Arms	

Operating Environment

Temperature	0-35°C (higher temperatures can be sustained at a lower continuous power rating)
Humidity	0-90% non-condensing

Operating System

Manual front panel	Operation via Front Panel Buttons
Remote Operating System (ROS)	C Language Programming
CAN	CAN Operation Optional

Safety

- Emergency cutoff switch
- Automatic shutdown on loss of utility power
- Remote emergency cutoff switch available
- Automatic load connect and disconnect

Physical Specifications

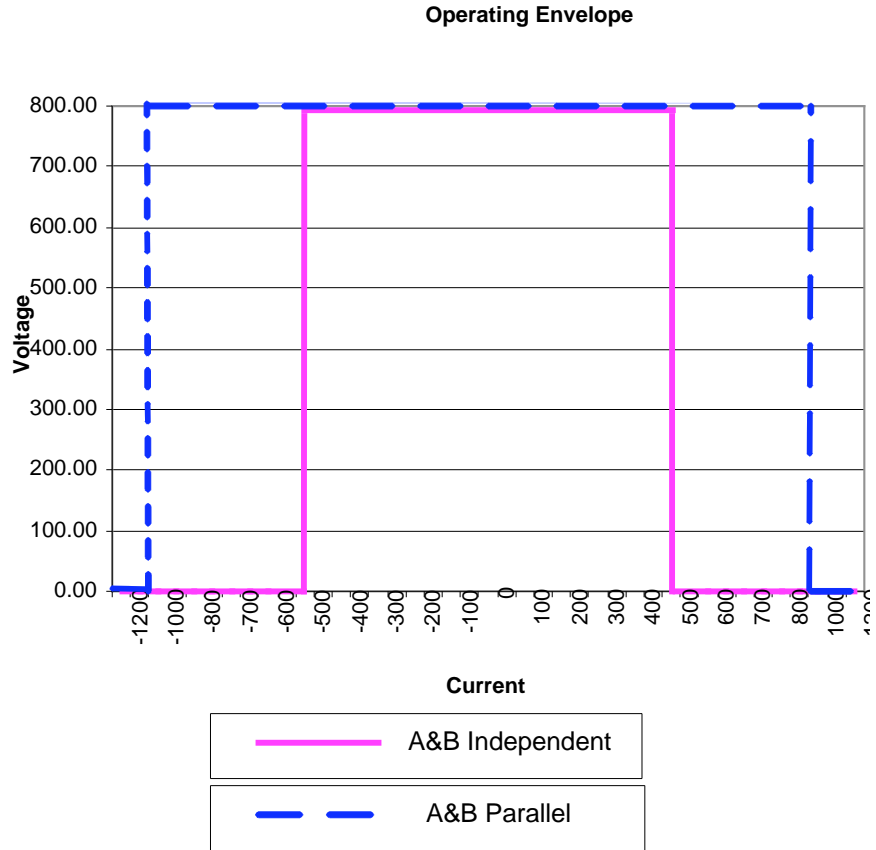
Dimensions:*	AV-800 is built in two separate enclosures. Each enclosure Approx. 80" W x 78" H x 40" D (204cm W x 198cm H x 102cm D) Total Unit Dimension of 80" W x 78" H x 80" D (204cm W x 198cm H x 204cm D)
Weight:	AC Enclosure: 3850lbs(1747kg) DC Enclosure: 2275lbs (1032kg) Total Unit Weight Approx. 6125lbs (2779kg)

*Note AV-800 is shipped in 2 separate crates.



The installation needs to be carried out by AV technician.

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AV-800 Installation & Electrical Connection

Require at least 3 feet clearance from wall

