

ABC-150 Technical Specification

Utility Requirement

<i>Voltage</i>	3 Phase, 240Vrms, +10%/-15%, <5% imbalance
<i>Current</i>	335Arms
<i>Frequency</i>	60 \pm 2Hz (50 \pm 1Hz optional)
<i>Isolation Transformer</i>	Requires external isolation transformer with 240Vrms secondary
<i>Ground</i>	Connected to chassis

AC Power Quality at Rated Power

<i>Power Factor</i>	> 99%
<i>Harmonic Distortion</i>	< 3% THD

DC Output

Operating Range

<i>Configuration</i>	<i>Voltage (Vdc)¹</i>	<i>Current (A_{dc})</i>	<i>Power (kW)²</i>
<i>Channel A</i>	+8 to +420	-265 to +265	-125 to + 125
<i>Channel B</i>	+8 to +420	-265 to +265	-125 to + 125
<i>Parallel</i>	+8 to +420	-530 to +530	-125 to + 125

¹445Vdc upper limit available as an option

²Rated at 60% duty cycle (>15 minute cycle)

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

Additional Features

- *Remote Voltage Sense*
- *Analog Control Signal*
- *Independent Output Enabled*
- *Multiple User Interfaces: Manual; Remote Operation System (ROS); DCOM Driver for LabVIEW, C++ and Visual Basic; CAN*
- *Independent Mode Control for Each Output Channel*
- *Reverse Voltage Protection*

Safety

- *Emergency Cutoff Switch*
- *Remote Emergency Switch Available*
- *Load Disconnect Protection*
- *Automatic Shutdown on Loss of Power*
- *Independent Channel Shutdown*

Physical Specification

<i>Dimensions</i>	46"W x 30"D x 55"H (117cm W x 76cm D x 140cm H)
<i>Weight</i>	1300 lbs (591 kg)

All specifications are subject to change without notice.