

<u>Performance</u>	<u>Conditions</u>	<u>Units</u>	<u>Rating</u>
Bus Voltage	Nominal	V	700
Peak Load Voltage	Minimum	V	650
RMS Output Current	Continuous - 300 Sec Window	A	200
Peak Output Current	20 mSec	A	430
Peak Output Current	50 mSec	A	400
Max Power to Loads	Long Term	kW	15
Output Noise	1HZ - 1kHz	mA rms	0.6
Output Noise	1HZ - 100Hz	mA rms	0.25
Offset Current Drift	Maximum After On 2 Hrs	mA/Hr	0.15
Rise Time to 430 A Current	Load of 200 mH and 100 mW	mSec	140
Settling Time	0.25% of Final Amplitude	mSec	150
Repeatability	re Peak Value	%	0.005
Linearity	re Peak Value	%	0.01
PWM Frequency	Effective	kHz	120
Bandwidth	Small Signal for 200 mH Load	kHz	15
Bandwidth	Large Signal for 200 mH Load	kHz	1

### System Specifications

Minimum Load Inductance		mH	200
Load Resistance Range		mW	50 - 300
Maximum Load Capacitance	Across Load	mF	0.03
Maximum Load Capacitance	Each Lead to Ground	mF	0.03

### Current Command *(differential at rear panel)*

Current Command Scaling		A/V	43
Input Range	Full Scale	V	10
Common Mode Rejection	DC to 1 kHz	dB	80
Input Impedance	Each Input to Ground	kohms	5

### Analog Monitor Output *(front panel BNC)*

Command Monitor Gain	Isolated DC Coupled	A/V	43
Output Current	Isolated DC Coupled	A/V	43
Tuning	Isolated DC Coupled	V/A	1
Output Voltage	Isolated DC Coupled	V/V	100

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<b>Front Panel Controls/Indicators</b>			
Display/Readout	3 Axis Peak and RMS Output Current Error Codes/Amplifier Status		
Power On	Main Power Control		
Local Mode Control	Axis Enable/Reset		
Local Mode Fault Indicator	Fault, Standby & Enable		

**P/S Input Power Requirements**

Line Voltage	3 Phase with Neutral	Vrms ph-ph	208
Line Current	per Phase	Arms	80
Line Voltage Variation		%	+/- 10
Frequency		Hz	50 - 60

**Fault Conditions** *(local protection and reported via RS-232 Interface at rear panel)*

Overcurrent	Instantaneous	A	480
RMS Long Term Current	300 Second Integration Window	A	200
RMS Short Term Current	0.3 Second Integration Window	A	270
Bus Overvoltage	Instantaneous	V	775
Over Temperature	Minimum	Deg C	75
Low AC Line Voltage	re Nominal	%	<12
Loss of Power	One or More Phases		
Output Lead Short	To Ground or Each Other		
Loss of Synch Clock	Full or Partial Loss		

**Environmental Requirements**

Ambient Temperature		Deg C	15 - 30
Ambient Humidity	Non-Condensing	% RH	70
Cooling Air	Flow Rate	CFM	1100

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**Safety and Compliance Certification**

UL Standard 2601	Medical and Dental Equipment		Pending
IEC 601-1/EN 60601-1	Medical Electrical Equipment		Pending

**Physical Specifications**

Dimensions	Height x Width x Depth	CM	190x59x94
Seismic	Design Accommodates Seismic Anchor		
Weight	Total	KG	545