

<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 - 200 Sec Window	A	200
Peak Output Current	25 mSec	A	475
Peak Output Current	40 mSec	A	375
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 475 A Current	Load of 300 mH and 100 mW	mSec	220
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 300 mH Load	kHz	15
Bandwidth	Large Signal for 300 mH Load	Hz	750

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	47.5
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	47.5
Output Current	Isolated DC Coupled	A/V	47.5
Tuning	Isolated DC Coupled	V/A	1
Output Voltage	Isolated DC Coupled	V/V	100

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Front Panel Controls/Indicators			
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	520
RMS Long Term Current	200 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