

### Constant Voltage Mode

CVH Range	0.000 ~ 400.0 V
CVM Range	0.000 ~ 200.0 V
CVL Range	0.000 ~ 40.00 V
Transient Time Range	
Fast Band(Default,Osc1)	0.500 ~ 51.19 ms
Slow Band(Osc2,Osc3)	0.500 ~ 511.9 ms
Temperature Coefficient	100 ppm / °C of Rated Voltage
<b>Program</b>	
CV Resolution*2	1/16000 of Rated Voltage
CVH Accuracy*2	0.05% ± 0.400 V
CVM Accuracy*2	0.05% ± 0.400 V
CVL Accuracy*2	0.05% ± 0.400 V
<b>Display</b>	
CVH Resolution	1/16000 of Rated Voltage
CVH Accuracy	0.05% ± 0.400 V
CVM Accuracy	0.05% ± 0.400 V
CCL Accuracy	0.05% ± 0.400 V

### Constant Current Mode

CCH Range	0.000 ~ 600.0 A
CCM Range	0.000 ~ 300.0 A
CCL Range	0.000 ~ 60.00 A
Transient Time Range	
Fast Band(Default,Osc1)	0.050 ~ 51.19 ms
Slow Band(Osc2,Osc3)	0.500 ~ 511.9 ms
Minimum Voltage(I <sub>Max</sub> )	0.900 V
Temperature Coefficient	100 ppm / °C of Rated Current
<b>Program</b>	
CC Resolution*2	1/16000 of Rated Current
CCH Accuracy*2	0.05% ± 0.600 A
CCM Accuracy*2	0.05% ± 0.600 A
CCL Accuracy*2	0.05% ± 0.600 A
<b>Display</b>	
CC Resolution	1/16000 of Rated Current
CCH Accuracy	0.05% ± 0.600 A
CCM Accuracy	0.05% ± 0.600 A
CCL Accuracy	0.05% ± 0.600 A

### Programmable Protection

Power(OPP)	
Range	27.50 ~ 22,000 W
Resolution	2.750 W
Accuracy	0.50% ± 55.00 W
Voltage(OVP)	
Range	0.263 ~ 420.0 V
Resolution	0.026 V
Accuracy	0.20% ± 0.525 V
Current(OCP)	
Range	0.394 ~ 630.0 A
Resolution	0.039 A
Accuracy	0.20% ± 0.788 A
Under Voltage Lockout(UVL)	
Mode	Input On / Continuous
Range	0.300 ~ 400.0 V
Resolution	0.100 V
Accuracy	2.50% ± 0.500 V
Anti-Oscillation	Default / Osc1 / Osc2 / Osc3 / Disable

### Protection

Over Power Protection(OP)	22,000 ± 419.0 W
Over Voltage Protection(OV)	420.0 ± 8.000 V
Over Current Protection(OC)	660.0 ± 6.286 A
Over Temperature Protection(OTP)	90.00 ± 5.000 °C
Reverse Maximum Current(RCP)	660.0 A
Short Maximum Current	612.0 A
Remote Inhibit(RI)	Short
Fault Indicator	SPDT Relay (30Vdc/0.5A or 125Vac/0.25A)

### Dielectric Strength

Primary Circuit To Chassis	1500 Vac for 1 min
Primary Circuit To Load Terminal	1500 Vac for 1 min
Load Terminal To Chassis	1500 Vdc for 1 min

### Constant Power Mode

CPH Range	0.000 ~ 20,000 W
CPM Range	0.000 ~ 10,000 W
@ lin	≤ 300.0 A
CPL Range	0.000 ~ 2,000 W
@ lin	≤ 60.00 A
Transient Time Range	
Same As CC Mode	
Temperature Coefficient	300 ppm / °C of Rated Power
<b>Program</b>	
CP Resolution*2	1/16000 of Rated Power
CPH Accuracy*2	1.00% ± 100.0 W
@lin	> 30.00 A
& Vin	> 40.00 V
CPM Accuracy*2	1.00% ± 100.0 W
@lin	> 6.000 A
& Vin	> 40.00 V
CPL Accuracy*2	1.00% ± 100.0 W
@lin	> 0.600 A
& Vin	> 80.00 V

### Constant Resistance Mode

CRH Range	6.667 ~ 333.3 Ω
@ lin	≤ 60.00 A
CRM Range	0.6667 ~ 166.7 Ω
CRL Range	0.0015 ~ 0.6667 Ω
Transient Time Range	
CRM / CRH	Same As CC Mode
CRL	Same As CV Mode
Temperature Coefficient	
CRM / H	300 ppm / °C of Minimum Resistance
CRL	300 ppm / °C of Maximum Resistance
<b>Program</b>	
CR Resolution*2	1/16000 Of Rated Value
CRH Accuracy*2	1.00% ± 0.750 mS
@lin	> 0.600 A
& Vin	> 80.00 V
CRM Accuracy*2	1.00% ± 3.000 mS
@lin	> 6.000 A
& Vin	> 40.00 V
CRL Accuracy*2	1.00% ± 0.667 mΩ
@lin	> 60.00 A
& Vin	> 0.400 V

### External Programming Mode

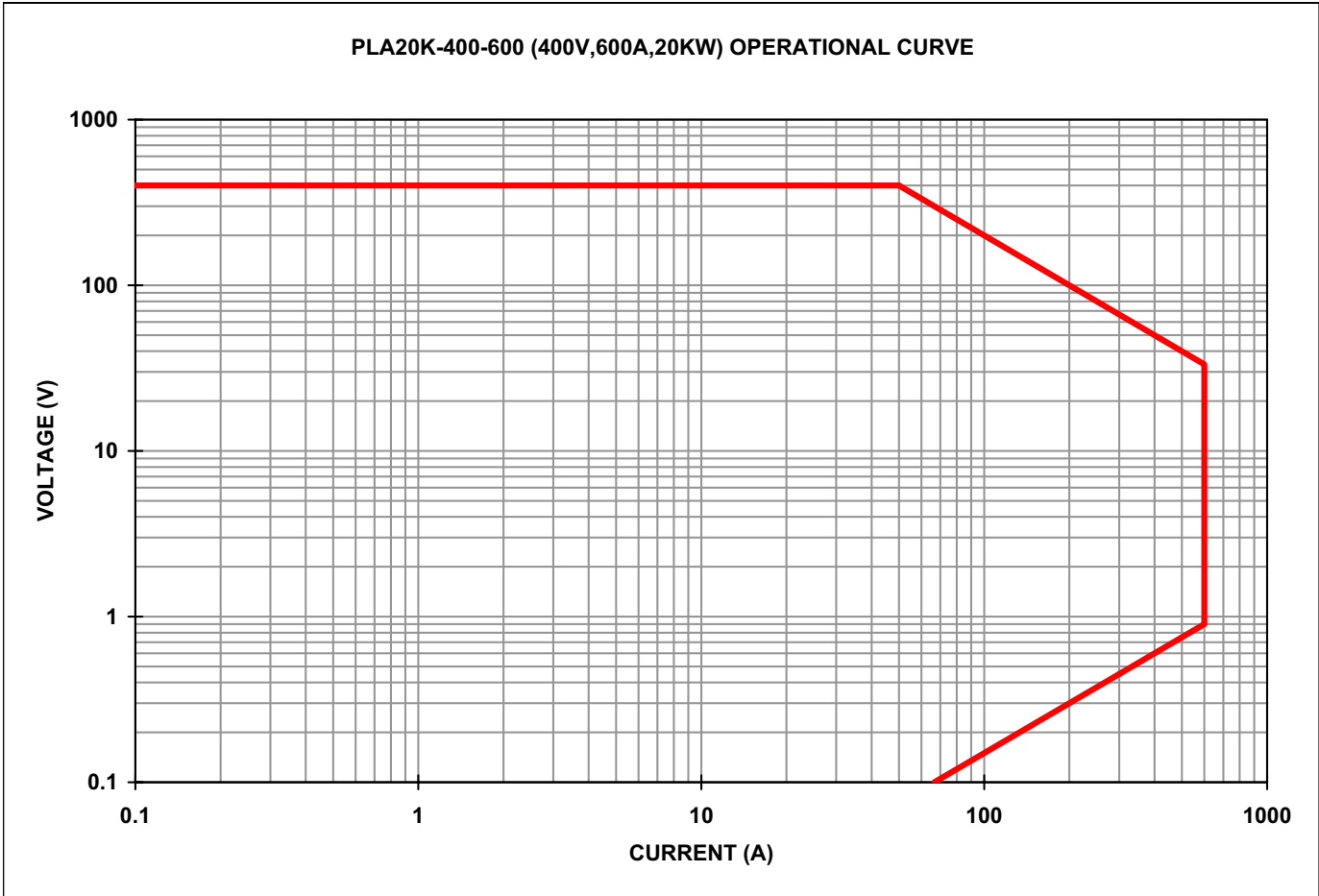
Analog Program	0~10 Volts Input yields 0~selected full scaled loading in all modes
Accuracy	Same As Internal ± 0.1% Rating
Input Impedance	400 kΩ ± 1%
BandWidth(-3dB)	Limited By Internal Transient Time
Monitor output Signal	0~10 Volts output for 0~full scaled Value
VMON Accuracy	0.10% ± 0.400 V
IMON Accuracy	0.10% ± 0.600 A
Transient Mode	
Frequency Range	0.100 ~ 10,000 Hz
Accuracy	0.1%
Duty Range	1.000 ~ 100.0 %
Accuracy	0.1%
Transient Time Accuracy	10.0% ± 50% of Minimum Time
Remote Interface	GPIOB / RS-232 / ETHERNET / USB

### General

Derating for higher temperatures	(-)-1.67% Rated Power / °C
AC Input	95-240 Vac 48-62 Hz
Power Consumption	630 VA
Operating Temperature	5 °C ~ 40 °C
Dimension (Unit)	24.5"(L)x17.0"(W)x10.5"(H)--Two 6U Boxes 24.5"(L)x17.0"(W)x7.0"(H)--One 4U Box
Dimension with cabinet	38.2"(L)x23.5"(W)x60.5"(H)--30U cabinet
Weight (Unit)	135 lbs      61.2 kg--Two 6U Boxes 105 lbs      47.6 kg--One 4U Box
Weight with cabinet	517 lbs      234.5 kg
Approx.Shipping Weight (Unit)	195 lbs      88.5 kg--Two 6U Boxes 145 lbs      65.8 kg--One 4U Boxes
Approx.Shipping Weight with cabinet	800 lbs      362.9 kg



PLA20K-400-600 (400V,600A,20KW) OPERATIONAL CURVE



Distributed By:  
Signal Test, Inc  
1529 Santiago Ridge Way  
San Diego, CA 92154  
Tel. 1-619-575-1577 USA  
www.SignalTestInc.com  
Sales@SignalTestInc.com

