

Constant Voltage Mode

CVH Range	0.000 ~ 600.0 V
CVM Range	0.000 ~ 300.0 V
CVL Range	0.000 ~ 60.00 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
Program	
CV Resolution*2	1/16000 of Rated Voltage
CVH Accuracy*2	0.05% ± 0.600 V
CVM Accuracy*2	0.05% ± 0.600 V
CVL Accuracy*2	0.05% ± 0.600 V
Display	
CVH Resolution	1/16000 of Rated Voltage
CVH Accuracy	0.05% ± 0.600 V
CVM Accuracy	0.05% ± 0.600 V
CCL Accuracy	0.05% ± 0.600 V

Constant Current Mode

CCH Range	0.000 ~ 400.0 A
CCM Range	0.000 ~ 200.0 A
CCL Range	0.000 ~ 40.00 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 _{Max})	4.000 V
Temperature Coefficient	100 ppm / °C of Rated Current
Program	
CC Resolution*2	1/16000 of Rated Current
CCH Accuracy*2	0.05% ± 0.400 A
CCM Accuracy*2	0.05% ± 0.400 A
CCL Accuracy*2	0.05% ± 0.400 A
Display	
CC Resolution	1/16000 of Rated Current
CCH Accuracy	0.05% ± 0.400 A
CCM Accuracy	0.05% ± 0.400 A
CCL Accuracy	0.05% ± 0.400 A

Programmable Protection

Power(OPP)	
Range	13.75 ~ 11,000 W
Resolution	1.375 W
Accuracy	0.50% ± 27.50 W
Voltage(OVP)	
Range	0.394 ~ 630.0 V
Resolution	0.039 V
Accuracy	0.20% ± 0.788 V
Current(OCP)	
Range	0.263 ~ 420.0 A
Resolution	0.026 A
Accuracy	0.20% ± 0.525 A
Under Voltage Lockout(UVL)	
Mode	Input On / Continuous
Range	0.450 ~ 600.0 V
Resolution	0.150 V
Accuracy	2.50% ± 0.750 V
Anti-Oscillation	Default / Osc1 / Osc2 / Osc3 / Disable

Protection

Over Power Protection(OP)	11,000 ± 209.5 W
Over Voltage Protection(OV)	630.0 ± 12.00 V
Over Current Protection(OC)	440.0 ± 4.190 A
Over Temperature Protection(OTP)	90.00 ± 5.000 °C
Reverse Maximum Current(RCP)	440.0 A
Short Maximum Current	408.0 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 ~ 10,000 W
CPM Range	0.000 ~ 5,000 W
@ lin	≤ 200.0 A
CPL Range	0.000 ~ 1,000 W
@ lin	≤ 40.00 A
Transient Time Range	
Same As CC Mode	
Temperature Coefficient	300 ppm / °C of Rated Power
Program	
CP Resolution*2	1/16000 of Rated Power
CPH Accuracy*2	1.00% ± 50.00 W
@lin	> 20.00 A
& Vin	> 60.00 V
CPM Accuracy*2	1.00% ± 50.00 W
@lin	> 4.000 A
& Vin	> 60.00 V
CPL Accuracy*2	1.00% ± 50.00 W
@lin	> 0.400 A
& Vin	> 120.0 V

Constant Resistance Mode

CRH Range	15.00 ~ 750.0 Ω
@ lin	≤ 40.00 A
CRM Range	1.500 ~ 375.0 Ω
CRL Range	0.0100 ~ 1.500 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
Program	
CR Resolution*2	1/16000 Of Rated Value
CRH Accuracy*2	1.00% ± 0.333 mS
@lin	> 0.400 A
& Vin	> 120.0 V
CRM Accuracy*2	1.00% ± 1.333 mS
@lin	> 4.000 A
& Vin	> 60.00 V
CRL Accuracy*2	1.00% ± 1.500 mΩ
@lin	> 40.00 A
& Vin	> 0.600 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% ± 0.600 V
IMON Accuracy	0.10% ± 0.400 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

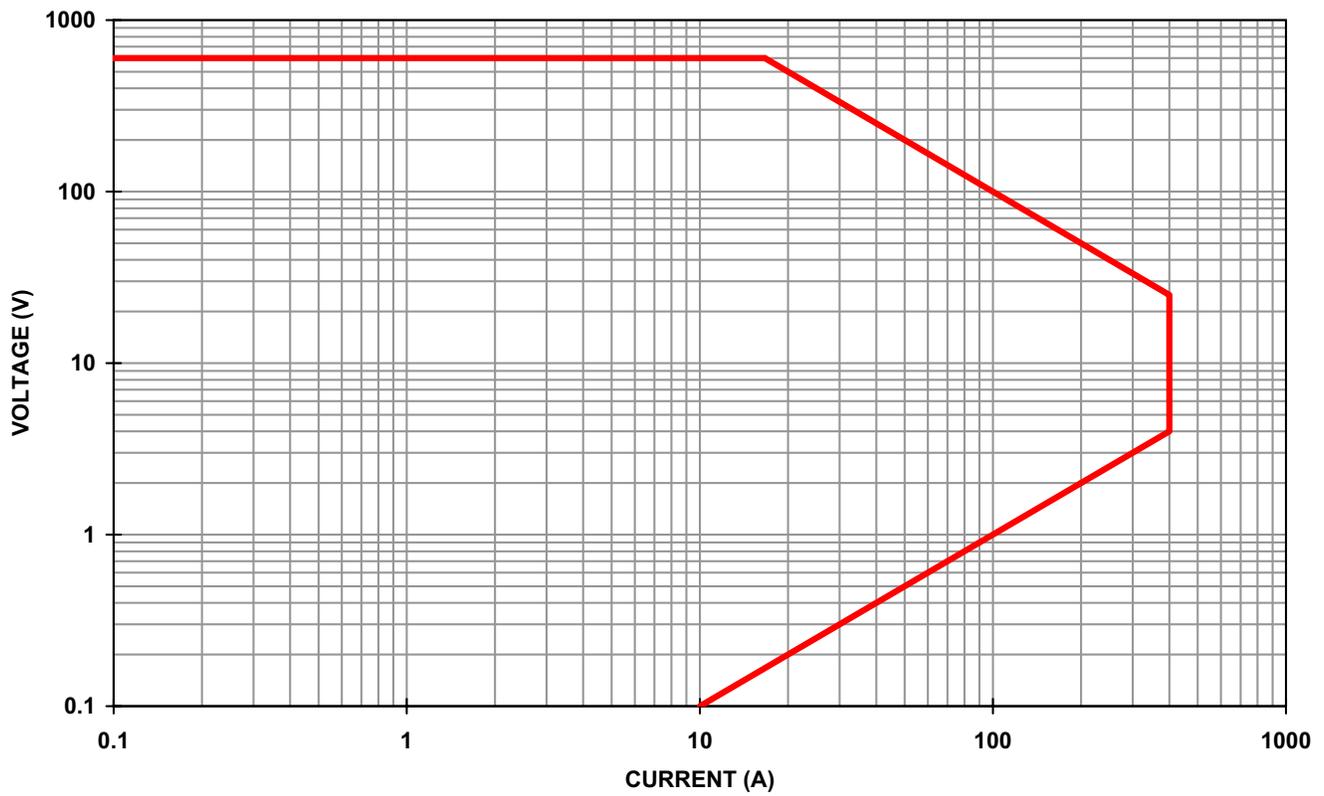
General

Derating for higher temperatures	(-)-1.67% Rated Power / °C
AC Input	95-240 Vac 48-62 Hz
Power Consumption	330 VA
Operating Temperature	5 °C ~ 40 °C
Dimension (Unit)	24.5"(L)x17.0"(W)x7.0"(H)--Dual Boxes
Dimension with cabinet	38.2"(L)x23.5"(W)x34.2"(H)--15U cabinet
Weight (Unit)	105 lbs 47.6 kg--Dual Boxes
Weight with cabinet	320 lbs 145.1 kg
Approx.Shipping Weight (Unit)	145 lbs 65.8 kg--Dual Boxes
Approx.Shipping Weight with cabinet	420 lbs 190.5 kg

*1 All Mode Specification measure by slow band and 25°C room temperature unless otherwise specified
 *2 Transient Mode Specification must be x2
 AMREL reserves the right to change limits, test conditions, and dimensions without notice



PLA10K-600-400 (600V,400A,10KW) 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



www.amrel.com Intl. 626 443-6818 U.S./Canada 800 654-9838