

KA-SERIES SINGLE-CHANNEL DC LINEAR POWER SUPPLIES



Product Description

The KA-Series of regulated DC power supplies features industrial-grade performance at an affordable price point. Its lineup ranges from models with digital control to fully programmable. All with precision encoder adjustment for voltage and current and memory locations for fast recall. They are also designed with over-voltage and over-current protection with an intelligent temperature-controlled fan.

Key Features

- Complete digital control / programmable
- 4-digit display
- Intelligent temperature-controlled fan with speed controlled by heat temperature and output power
- Compact Design
- 10 mV / 1 mA resolution
- Low noise and ripple
- CV / CC automatic switching
- Output ON/OFF control
- Complete digital panel operation
- 5 sets of parameters can be stored inside for fast recall "Fine & coarse adjustment for voltage / current control
- Software calibration
- Beep alarm output
- Panel LOCK function
- Settable OCP and OVP
- Reverse polarity protection



Specifications

Models	KA3003D/ KA3003P	KA3005D/ KA3005P	KA3010D/ KA3010P	KA6002D/ KA6002P	KA6003D/ KA6003P	KA6005D/ KA6005P
Voltage Range	0-30V	0-30V	0-30V	0-60V	0-60V	0-60V
Current Range	0-3A	0-5A	0-10A	0-2A	0-3A	0-5A
Load Regulation						
Voltage	≤0.01%+2mV	≤0.01%+2mV	≤0.01%+3mV	≤0.01%+2mV	≤0.01%+2mV	≤0.01%+2mV
Current	≤0.1%+5mA	≤0.1%+10mA	≤0.1%+20mA	≤0.1%+5mA	≤0.1%+5mA	≤0.1%+10mA
Line Regulation						
Voltage	≤0.01%+3mV	≤0.01%+3mV	≤0.01%+3mV	≤0.01%+3mV	≤0.01%+3mV	≤0.01%+3mV
Current	≤0.1%+3mA	≤0.1%+3mA	≤0.1%+3mA	≤0.1%+3mA	≤0.1%+3mA	≤0.1%+3mA
Setup Resolution						
Voltage	10mV	10mV	10mV	10mV	10mV	10mV
Current	1mA	1mA	1mA	1mA	1mA	1mA
Setup Accuracy(25°C±5°C)						
Voltage	≤0.5%+20mV	≤0.5%+20mV	≤0.5%+20mV	≤0.5%+300mV	≤0.5%+300mV	≤0.5%+300mV
Current	≤0.5%+5mA	≤0.5%+10mA	≤0.5%+20mA	≤0.5%+5mA	≤0.5%+10mA	≤0.5%+5mA
Ripple(20-20M)						
Voltage	≤1mVrms	≤2mVrms	≤2mVrms	≤1mVrms	≤1mVrms	≤1mVrms
Current	≤3mVrms	≤3mVrms	≤5mVrms	≤3mVrms	≤3mVrms	≤3mVrms
Temp.Coefficient						
Voltage	≤150ppm	≤150ppm	≤150ppm	≤150ppm	≤150ppm	≤150ppm
Current	≤150ppm	≤150ppm	≤150ppm	≤150ppm	≤150ppm	≤150ppm
Read Back Resolution						
Voltage	10mV	10mV	10mV	10mV	10mV	10mV
Current	1mA	1mA	1mA	1mA	1mA	1mA
Read Back Temp.Coefficient						
Voltage	≤150ppm	≤150ppm	≤150ppm	≤150ppm	≤150ppm	≤150ppm
Current	≤150ppm	≤150ppm	≤150ppm	≤150ppm	≤150ppm	≤150ppm
Reaction Time						
Voltage Rise	≤100mS	≤100mS	≤100mS	≤100mS	≤100mS	≤100mS
Voltage Drop	≤100mS	≤100mS	≤100mS	≤100mS	≤100mS	≤100mS
	(10% Rated load)	(10% Rated load)	(10% Rated load)	(10% Rated load)	(10% Rated load)	(10% Rated load)
Interface(for programmable models KA3003P,KA3005P,KA6002P,KA6003P,KA3010P & KA6005P)						
RS232,USB						
Accessories						
User manual,power cord(KA3003D,KA3005D,KA3010D,KA6002D,KA6003D & KA6005D)						
User manual,power cord,USB cable & software CD(KA3003P,KA3005P,KA3010P,KA6002P,KA6003P & KA6005P)						
Weight and Dimension						
KA3003,KA3005,KA6002 & KA6003:100mm(W)*156mm(H)*260mm(D)						
KA6005 & KA3010:110mm(W)*156mm(H)*260mm(D)						
KA3003x3.7kg,KA3005x4.32kg,KA6002x4.21kg,KA6005x8kg & KA3010x8.3kg						

