

K Series—Single output



212 mm W x 132 mm H x 346 mm D (Without Bumper)
234 mm W x 147 mm H x 391 mm D (With Bumper)

K Series—Dual output



212 mm W x 132 mm H x 346 mm D (Without Bumper)
234 mm W x 147 mm H x 391 mm D (With Bumper)

FEATURES

- Bench-top and 19-inch standard rack mountable
- Self-compensation by monitoring output and display
- CV/CC mode automatic crossover by setup limit
- GPIB(IEEE-488.2), USB Interface
- Storable up to 10 settings at each output port
- Pattern output operation
- Power fail feature to recall the latest setting value
- DUT(Device Under Test) protection by OVP & OCP
- Rear output enable
- Track function which interlocks P2 (K Series-Dual output)

K Series—Single output



Programmable DC Power Supply

The K Single's prominent feature is the programming capability with linear power supply mechanism known as ideal for precision power system applications. The power supply is programmable either locally from the front-panel or remotely over the GPIB and USB interfaces.

Specifications	Single output					
	K1205	K1810	K3010	K3003	K3005	K6003
	60W	180W	300W	90W	150W	180W
DC Output						
Voltage	2V	18V	30V	30V	30V	60V
Current	5A	10A	10A	3A	5A	3A
Programming Accuracy ±(% of output + offset)						
Voltage	0.03%+15mV	0.05%+15mV	0.05%+15mV	0.03%+15mV	0.03%+15mV	0.05%+20mV
Current	0.1%+5mA	0.1%+10mA	0.1%+10mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Readback Accuracy ±(% of output + offset)						
Voltage	0.03%+10mV	0.05%+12mV	0.05%+12mV	0.03%+10mV	0.03%+10mV	0.05%+15mV
Current	0.1%+3mA	0.1%+7mA	0.1%+7mA	0.1%+3mA	0.1%+3mA	0.1%+3mA
Load Regulation ±(% of output + offset)						
Voltage	0.01%+2mV	0.01%+2mV	0.01%+3mV	0.01%+2mV	0.01%+2mV	0.01%+2mV
Current	0.01%+1mA	0.01%+1mA	0.01%+1mA	0.01%+1mA	0.01%+1mA	0.02%+1mA
Line Regulation ±(% of output + offset)						
Voltage	0.01%+2mV	0.01%+2mV	0.01%+3mV	0.01%+2mV	0.01%+2mV	0.01%+2mV
Current	0.01%+1mA	0.01%+1mA	0.01%+1mA	0.01%+1mA	0.01%+1mA	0.01%+1mA
Ripple & Noise (20Hz to 20MHz)						
Normal Mode Voltage	0.5mVrms, 3mVpp	0.5mVrms, 4mVpp	0.5mVrms, 5mVpp	0.5mVrms, 3mVpp	0.5mVrms, 3mVpp	0.5mVrms, 4mVpp
Normal Mode Current	1mArms	2mArms	2mArms	1mArms	1mArms	1mArms
Resolution						
Program			1mV / 1mA			10mV / 1mA
Readback			1mV / 1mA			10mV / 1mA
Meter			1mV / 1mA			10mV / 1mA
Voltage Programming Speed						
Up—Full Load	6msec	10msec	12msec	12msec	12msec	16msec
No Load	6msec	10msec	12msec	12msec	12msec	16msec
Down – Full Load	7msec	13msec	15msec	15msec	15msec	20msec
No Load	80msec	100msec	110msec	110msec	110msec	250msec
Transient Response						
	Less than 50μs for output recover to within 15mV following a change in current output from full load to half load					
Command Processing Time						
	50msec<100msec					