

AK 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)

AK 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)

AK Series—Single output



Precision DC Power Supply

The AK Single series is designed to apply for general purpose. Its operation is very simple and easy to control with high quality output. It is highly recommended for your power system application to be ideal with compact size and outstanding output quality.

Specifications	Single output				
	AK1205	AK3010	AK3003	AK3005	AK6003
	60W	300W	90W	150W	180W
DC Output					
Voltage	12V	30V	30V	30V	60V
Current	5A	10A	3A	5A	3A
Accuracy ±(% of output + offset)					
Voltage	0.03%+15mV	0.05%+15mV	0.03%+15mV	0.03%+15mV	0.05%+20mV
Current	0.1%+5mA	0.1%+10mA	0.1%+5mA	0.1%+5mA	0.1%+5mA
Meter Accuracy ±(% of output + offset)					
Voltage	0.03%+10mV	0.05%+12mV	0.03%+10mV	0.03%+10mV	0.05%+15mV
Current	0.1%+3mA	0.1%+7mA	0.1%+3mA	0.1%+3mA	0.1%+3mA
Load Regulation ±(% of output + offset)					
Voltage	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	0.02%+1mA
Line Regulation ±(% of output + offset)					
Voltage	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
Ripple & Noise (20Hz to 20MHz)					
Normal Mode Voltage	0.5mVrms, 3mVpp	0.5mVrms, 5mVpp	0.5mVrms, 3mVpp	0.5mVrms, 3mVpp	0.5mVrms, 4mVpp
Normal Mode Current	1mA _{rms}	2mA _{rms}	1mA _{rms}	1mA _{rms}	1mA _{rms}
Resolution					
Set			1mV / 1mA		10mV / 1mA
Meter			1mV / 1mA		q10mV / 1mA
Voltage Programming Speed					
Up—Full Load	6msec	12msec	12msec	12msec	16msec
No Load	6msec	12msec	12msec	12msec	16msec
Down – Full Load	7msec	15msec	15msec	15msec	20msec
No Load	80msec	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				

FEATURES

- Bench-top and 19-inch standard rack mountable
- Self-compensation by monitoring output and display
- CV / CC mode automatic crossover by setup limit
- Storable up to 10 settings at each output port
- 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)