AK Series-Dual output

Precision DC Power Supply

The AK Dual 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	Dual output			
	AK1205D	AK3003D	AK3005D	AK6003D
	60W x 2 120W	90W x 2 180W	150W x 2 300W	180W x 2 360W
DC Output				
Voltage	12V x 2	30V x 2	30V x 2	60V x 2
Current	5A x 2	3A x 2	5A x 2	3A x 2
Accuracy ±(% of output + offset)				
Voltage	P1 : 0.03%+15mV P2 : 0.10%+25mV	P1 : 0.03%+15mV P2 : 0.10%+25mV	P1 : 0.03%+15mV P2 : 0.10%+25mV	P1 : 0.05%+20mV P2 : 0.10%+25mV
Current	P1 : 0.1%+5mA P2 : 0.1%+10mA	P1 : 0.1%+5mA P2 : 0.1%+10mA	P1 : 0.1%+5mA P2 : 1%+10mA	P1 : 0.1%+5mA P2 : 0.1%+10mA
Meter Accuracy ±(% of output + offset)				
Voltage	P1 : 0.03%+10mV P2 : 0.10%+20mV	P1 : 0.03%+10mV P2 : 0.10%+20mV	P1 : 0.03%+10mV P2 : 0.10%+20mV	P1 : 0.05%+15mV P2 : 0.10%+20mV
Current	P1 : 0.1%+3mA P2 : 0.1%+7mA	P1 : 0.1%+3mA P2 : 0.1%+7mA	P1 : 0.1%+3mA P2 : 0.1%+7mA	P1 : 0.1%+3mA P2 : 0.1%+7mA
Load Regulation ±(% of output + offset)				
Voltage	0.01%+2mV	0.01%+2mV	0.01%+2mV	0.01%+2mV
Current	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%+2mV	0.01%+2mV
Current	0.01%+1mA	0.01%+1mA	0.01%+1mA	0.01%+1mA
Ripple & Noise (20Hz to 20MHz)				
Normal Mode Voltage	P1 : 0.5mVrms, 3mVpp P2 : 0.5mVrms, 8mVpp	P1 : 0.5mVrms, 3mVpp P2 : 0.5mVrms, 8mVpp	P1 : 0.5mVrms, 3mVpp P2 : 0.5mVrms, 8mVpp	P1 : 0.5mVrms, 3mVpp P2 : 0.5mVrms, 8mVpp
Normal Mode Current	1mArms	1mArms	1mArms	1mArms
Resolution				
Set		1mV / 1mA		10mV / 1mA
Meter		1mV / 1mA		10mV / 1mA
Voltage Programming Speed				
Up-Full Load	6msec	12msec	12msec	16msec
No Load	6msec	12msec	12msec	16msec
Down – Full Load	7msec	15msec	15msec	20msec
No Load	80msec	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			