

6000 Series

5. Specifications

Model	6302A 6302D	6303A 6303D	6306A 6306D	6603A 6603D	6302AR 6302DR	6303AR 6303DR	6306AR 6306DR	6603AR 6603DR
Output Voltage	0-30V x 2	0-30V x 2	0-30V x 2	0-60V x 2	0-30V x 2	0-30V x 2	0-30V x 2	0-60V x 2
Output Current	0-2A x 2	0-3A x 2	0-6A x 2	0-3A x 2	0-2A x 2	0-3A x 2	0-6A x 2	0-3A x 2
CONSTANT VOLTAGE CHARACTERISTICS								
Load Regulation	± 0.01% + 2 mV				± 0.01% + 2 mV			
Line Regulation	± 0.01% + 2 mV				± 0.01% + 2 mV			
Ripple & Noise (≤ 200W)	≤ 0.5mVrms				≤ 1mVrms			
Ripple & Noise (≥ 200W)	≤ 1mVrms				≤ 1mVrms			
CONSTANT CURRENT CHARACTERISTICS								
Load Regulation (≤200W)	≤ 10mA				≤ 10mA			
Load Regulation (≥200W)	≤ 15mA				≤ 15mA			
Line Regulation	± 0.01% + 2mA				± 0.01% + 2mA			
Ripple & Noise (≤ 200W)	≤ 1mArms				≤ 1mArms			
Ripple & Noise (≥ 200W)	≤ 3mArms				≤ 3mArms			
DISPLAY ACCURACY								
Analog Display (A)	Full-scale 3%							
Digital Display (D)	≤ 0.1% + 2d							
PROGRAMMING SPEED								
Rise Time (No Load)	≤ 100mS							
(Load)	≤ 200mS (<6A), ≤ 500mS (<10A), ≤ 1S (≥ 10A)							
Fall Time (No Load)	≤ 2.5S							
(Load)	≤ 250mS							
OUTPUT IMPEDANCE	≤ 2mΩ + 2 μH							
RECOVERY TIME	≤ 100 μS to within 0.1% of set voltage (50% to 100% load change)							
FUNCTIONS								
Series Connection	Different models can be connected in series (≤ 240V)							
Parallel Connection	Same models can be connected in parallel (≤ 24A)							
Master - Slave	N A				Yes			
REMOTE CONTROL								
Voltage Programmable By External DC Voltage By External Resistance	NA				0 to 10V, Control 0 to voltage setting 0 to 10KΩ, Control 0 to maximum voltage			
Current Programmable By External DC Voltage By External Resistance	NA				0 to 10V, Control 0 to current setting 0 to 10KΩ, Control 0 to maximum current			
TRACKING OPERATION								
Tracking Error	± 0.2% + 10mV							
Series Regulation	± 0.3% + 10mV							
5V FIXED OPERATION								
Load Regulation	≤ 10mV							
Line Regulation	≤ 5mV							
Ripple & Noise	≤ 2mVrms							
Voltage Accuracy	5V ± 0.25V							
Output Current	5A							

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VOLTAGE/CURRENT READBACK AVAILABLE								
Voltage Readback	NA			0 to 10V for full-scale voltage in Master				
Current Readback	NA			0 to 0.3V for full-scale current in Master				
OPERATION MODE								
Independent	Two independent outputs and 5V fixed output Output from 0 to rating voltage and 0 to rating ampere							
Serial	Output from 0 to \pm rating voltage at rating ampere Output from 0 to double rating voltage at rating ampere							
Parallel	Output from 0 to double rating current at voltage rating							
POWER SOURCE	ACV 100/120/220/240 \pm 10%, 50/60 Hz							
ACCESSORIES	ACS-002 X 2				ACS-002 X 2, 9-pin D-type connector x 2			
DIMENSIONS W X H X D (mm)	230 X 160 X 324		230 X 160 X 366		230 X 160 X 324		230 X 160 X 366	