

GENERAL CATALOGUE



3000 SERIES SYSTEM POWER SUPPLY



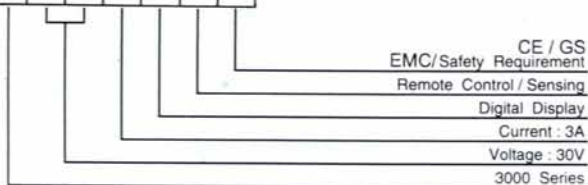
- 2 Built-In Analog / Digital Display
- Constant Voltage / Current
- Series / Parallel Available
- Short Circuit / External Input Protection
- Compact Size
- Master / Slave Selectable
- Remote Sensing Available
- Output ON / OFF Controllable
- Output Voltage Controllable By External Variable Voltage or Resistance
- Output Current Controllable By External Variable Voltage or Resistance
- Voltage / Current Readback Available
- Patent : 048495

Specification

	3000 Series	3000 Series (Remote Series)
CONSTANT VOLTAGE Load Regulation Line Regulation Ripple & Noise(≤ 100W) Ripple & Noise(≥ 100W)	± 0.01% + 2mV ± 0.01% + 2mV ≤ 0.5mVrms ≤ 1mVrms	± 0.01% + 2mV ± 0.01% + 2mV ≤ 1mVrms ≤ 2mVrms
CONSTANT CURRENT Load Regulation(≤ 100W) Load Regulation(≥ 100W) Line Regulation Ripple & Noise(≤ 100W) Ripple & Noise(≥ 100W)	≤ 10mA ≤ 15mA ± 0.01% + 2mA ≤ 2mAms ≤ 3mAms	≤ 10mA ≤ 15mA ± 0.01% + 2mA ≤ 2mAms ≤ 3mAms
DISPLAY ACCURACY Analog Display(A) Digital Display(D)	Full Scale 3% ≤ 0.1% + 2d	
PROGRAMMING SPEED Rise Time(No Load) (Load) Fall Time(No Load) (Load)	≤ 100mS ≤ 200mS(<6A), ≤ 500mS(<10A), ≤ 1S(≥ 10A) ≤ 2.5 S ≤ 250mS	
OUTPUT IMPEDANCE	< 2mΩ + 2uH	
RECOVERY TIME	≤ 100uS to Within 0.1% of Set Voltage(50% TO 100% Load Change)	
FUNCTIONS Series Connection Parallel Connection Master-Slave	Different Models Can Be Connected In Series(≤ 240V) Same Model Can Be Connected In Parallel(≤ 24A) N / A	Different Models Can Be Connected In Series(≤ 240V) Same Model Can Be Connected In Parallel(≤ 24A) YES
REMOTE CONTROL Voltage Programmable By External DC Voltage By External Resistance Current Programmable By External DC Voltage By External Resistance	N / A	0 to 10V Control 0 to Voltage-Setting 0 to 10kΩ Control 0 to Voltage-Setting 0 to 10V Control 0 to Current-Setting 0 to 10kΩ Control 0 to Current-Setting
VOLTAGE / CURRENT READBACK AVAILABLE Voltage / Current Readback Voltage: Voltage Readback Current Readback	N / A	0 to 10V Proportional to Output Voltage 0 to 0.3V Proportional to Output Current
OUTPUT ON / OFF CONTROL	N / A	YES
REMOTE SENSING	N / A	Compensate Voltage Drop Up to 2VDC
POWER SOURCE	ACV 100V / 120V / 220V / 240V, ±10%, 60Hz / 50Hz (* ACV 230V, 50Hz)	
ACCESSORIES	ACS-002 X1, (ACS-016 × 1 for CE / GS Models), Operation Manual X1	

Ordering Information :

3 3 0 3 D R S



Dimension s size : 120 (W) × 160 (H) × 295 (D)
Dimension L size : 230 (W) × 160 (H) × 366 (D)

* Models with CE / GS Marks

Model No.	Dimension	Model Type						
3203	S	A	D	AR	DR	AS*	DS*	
3302	S	A	D	AR	DR	AS*	DS*	
3303	S	A	D	AR	DR	AS*	DS*	
3601	S	A	D	AR	DR	AS*	DS*	
3306	L	/	D	/	DR	/	/	
3603	L	/	D	/	DR	/	/	
33010	L	/	D	/	DR	/	/	

Net Weight : (3203, 3302, 3303, 3601) ≈ 5.5 kg

Net Weight : (3306, 3603) ≈ 9.5kg

Net Weight : (33010) ≈ 14.0kg

6000 SERIES SYSTEM POWER SUPPLY



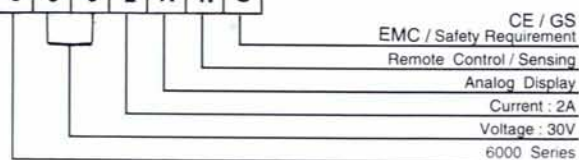
- 4 Built-In Analog / Digital Display
- Constant Voltage / Current
- Series / Parallel Available With Other Sets
- Short Circuit / External Input Protection
- Auto Series / Parallel Selectable
- Additional 5V / 5A Fixed Output
- Master / Slave Selectable
- Output Voltage Controllable By External Variable Voltage or Resistance
- Output Current Controllable By External Variable Voltage or Resistance
- Voltage / Current Readback Available
- Patent : 047730

Specification

	6000 Series	6000 Series (Remote Series)
CONSTANT VOLTAGE Load Regulation Line Regulation Ripple & Noise(≤ 200W) Ripple & Noise(≥ 200W)	± 0.01% + 2mV ± 0.01% + 2mV ≤ 0.5mVrms ≤ 1mVrms	± 0.01% + 2mV ± 0.01% + 2mV ≤ 1mVrms ≤ 1mVrms
CONSTANT CURRENT Load Regulation(≤ 200W) Load Regulation(≥ 200W) Line Regulation Ripple & Noise(≤ 200W) Ripple & Noise(≥ 200W)	≤ 10mA ≤ 15mA ± 0.01% + 2mA ≤ 2mA Arms ≤ 3mA Arms	≤ 10mA ≤ 15mA ± 0.01% + 2mA ≤ 2mA Arms ≤ 3mA Arms
DISPLAY ACCURACY Analog Display(A) Digital Display(D)	Full Scale 3% ≤ 0.1% + 2d	
PROGRAMMING SPEED Rise Time(No Load) (Load) Fall Time(No Load) (Load)	≤ 100mS ≤ 200mS(<6A), ≤ 500mS(<10A), ≤ 1S(≥ 10A) ≤ 2.5 S ≥ 250mS	
OUTPUT IMPEDANCE	< 2mΩ + 2uH	
RECOVERY TIME	≤ 100uS TO Within 0.1% of Set Voltage(50% TO 100% Load Change)	
FUNCTIONS Series Connection Parallel Connection Master-Slave	Different Models Can Be Connected in Series(≤ 240V) Same Model Can Be Connected in Parallel(≤ 24A) N / A	Different Models Can Be Connected In Series(≤ 240V) Same Model Can Be Connected In Parallel(≤ 24A) Yes
REMOTE CONTROL Voltage Programmable By External DC Voltage By External Resistance Current Programmable By External DC Voltage By External Resistance	N / A	0 to 10V Control 0 to Voltage-Setting 0 to 10kΩ Control 0 to Voltage-Setting 0 to 10V Control 0 to Current-Setting 0 to 10kΩ Control 0 to Current-Setting
TRACKING OPERATION Tracking Error Series Regulation	± 0.2% + 10mV ≤ 0.3% + 10mV	
5V FIX OUTPUT Load Regulation Line Regulation Ripple & Noise Voltage Accuracy Output Current	≤ 10mV ≤ 5mV ≤ 2mVrms 5V ± 0.25V 5A	
VOLTAGE / CURRENT READBACK AVAILABLE Voltage / Current Readback Voltage: Voltage Readback Current Readback	N / A	0 to 10V Proportional to Output Voltage 0 to 0.3V Proportional to Output Current
OPERATION MODE Independent Series Parallel	Two Independent Outputs and 5V Fixed Output Output From 0 to Rating Volts and 0 to Rating Amperes Output From 0 to ± Rating Volts at Rating Amperes Output From 0 to Double Rating Volts at Rating Amperes Output From 0 to Double Rating Ampere at Rating Volts	
POWER SOURCE	ACV 100V / 120V / 220V / 240V ± 10%, 60Hz / 50Hz (* ACV 230V, 50Hz)	
ACCESSORIES	ACS-002 X2, (ACS-016 X 2 for CE / GS Models), Operation Manual X1	

Ordering Information :

6 3 0 2 A R S



Dimension L size : 230 (W) × 160 (H) × 366 (D)

* Models with CE / GS Marks

Model No.	Dimension	Model Type					
6302	L	A	D	AR	DR	AS*	DS*
6303	L	A	D	AR	DR	AS*	DS*
6306	L	A	D	AR	DR	/	/
6603	L	A	D	AR	DR	/	/

Net Weigh : (6302,6303) ≈ 11kg

Net Weigh : (6306,6303) ≈ 14.5kg