

The PSU-Series is a single output programmable switching DC Power Supply covering a power range up to 1520W. This series of products include five models with the combination from 6V to 60V rated voltages. As the PSU-Series can be connected in series for maximum 2 units or in parallel for maximum 4 units, the capability of connecting multiple PSU-Series units for higher voltage or higher current output provides a broad coverage of applications.

The C.V/C.C priority selection of the PSU-Series is a very useful feature for DUT protection. The conventional power supply normally operates under C.V mode when the power supply output is turned on. This could bring a high inrush current to the capacitive load or current-intensive load at the power output on stage. Though the current becomes stable after the C.C mode is activated, the current spike occurred at the C.V and C.C crossover point may possibly damage the DUT. At the power output on stage, the PSU-Series is able to run under C.C priority to limit the current spike occurred at the threshold voltage and therefore protects DUT from the inrush current damage.

The OVP and OCP protections can prevent the DUT damage. Both OVP and OCP levels can be selected the range of 10% to 110%, with the default level set at 110%, of the rated voltage/current of the power supply. The PSU-Series provides USB Host/Device, LAN, RS-232 with RS-485and Analog Control interfaces as standard. The LabView driver and the data Logging PC software are available at the rear panel for external control of the power On/Off and the external monitoring of power output voltage and current.

Series Operation

Model	Single Unit	Two Units
PSU 6-200	6V / 200A	12V / 200A
PSU 12.5-120	12.5V / 120A	25V / 120A
PSU 20-76	20V / 76A	40V / 76A
PSU 40-38	40V / 38 A	80V / 38A
PSU 60-25	60V / 25A	120V / 25A

Parallel Operation

Model	Single Unit	Two Units	Three Units	Four Units
PSU 6-200	6V / 200A	6V / 400A	6V / 600A	6V / 800A
PSU 12.5-120	12.5V / 120A	12.5V / 240A	12.5V / 360A	12.5V / 480A
PSU 20-76	20V / 76A	20V / 152A	20V / 228A	20V / 304A
PSU 40-38	40V / 38 A	40V / 76A	40V / 114A	40V / 152A
PSU 60-25	60V / 25A	60V / 50A	60V / 75A	60V / 100A

PSU-Series

FEATURES

- Voltage Rating : 6V/12.5V/20V/40V/60V
- Output Power Rating : 1200W ~ 1520W
- C.V/C.C Priority; Particularly Suitable for the Battery and LED Industry
- Adjustable Slew Rate
- Series and Parallel Operation (2 Units in Series/4 Units in Parallel Maximum)
- High Efficiency and High Power Density
- 19" Rack Mount Size Design
- Standard Interface : LAN, RS-232 & RS485, USB (Device/Host), Analog Control Interface
- Optional Interface : GPIB/Analog Control Interface (Isolated Voltage Control)/Analog Control Interface (Isolated Current Control)



Front



Rear Panel

APPLICATIONS

- Laboratories and Educational Facilities
- Product Testing and Quality Assurance
- Service Operation and Post-Sales support
- Product Development and Debugging



70

SPECIFICATIONS						
Model	PSU 6-200	PSU 12.5-120	PSU 20-76	PSU 40-38	PSU 60-25	
OUTPUT RATINGS						
/oltage	0 ~ 6V	0~12.5V	0 ~ 20V	0 ~ 40V	0 ~ 60V	
Current	0 ~ 200A	0 ~ 120A	0 ~ 76A	0 ~ 38A	0~25A	
Power	1200W	1500W	1520W	1520W	1500W	
OUTPUT RIPPLE AND NOISE				1		
CV p-p (10~20MHz)	60mV	60mV	60mV	60mV	60mV	
CV rms (5Hz~1MHz) CC rms (5Hz~1MHz)	8mV 400mA	8mV 240mA	8mV 152mA	8mV 95mA	8mV 75mA	
OAD REGULATION	4001174	24011A	TJZINA	JIIA	75111A	
/oltage	2.6mV	3.25mV	4mV	6mV	8mV	
Current	45mA	29mA	20.2mA	12.6mA	10mA	
INE REGULATION (change from 85 to)	32 VAC input or 170-265 V	AC)				
Voltage	2.6mV	3.25mV	4mV	6mV	8mV	
Current	22mA	14mA	9.6mA	5.8mA	4.5mA	
PROGRAMMING ACCURACY						
/oltage 0.05% + (mV)	3mV	6.25mV	10mV	20mV	30mV	
Current 0.2% + (mA) '	200mA	120mA	76mA	38mA	25mA	
MEASUREMENT ACCURACY						
Voltage 0.1% + (mV) Current 0.2% + (mA)	6mV 400mA	12.5mV 240mA	20mV 152mA	40mV 76mA	60mV 50mA	
LOAD TRANSIENT RECOVERY TIN	12.2	2.000	102MA		301174	
lime	1.5ms	lms	lms	lms	lms	
OUTPUT RESPONSE TIME			and 6670	100000		
Rise Time (No Load & Full Load)	80ms	80ms	80ms	80ms	80ms	
Fall Time (No Load)	500ms	700ms	800ms	1000ms	1100ms	
Fall Time (Full Load)	10ms	50ms	50ms	80ms	80ms	
PROGRAMMING/MEASUREMENT R			20	1		
Voltage	0.2mV	0.4mV	0.7mV	1.3mV	2mV	
	6mA	4mA	2.5mA	1.2mA	0.8mA	
TEMPERATURE COEFFICIENT (after a		· · · · · · · · · · · · · · · · · · ·				
Voltage Current	100PPM/°C after 30 m 100PPM/°C after 30 m					
SERIES AND PARALLEL OPERATION						
Parallel Operation	Up to 4 units including master unit					
Series Operation	Up to 2 units including	master unit				
ENVIRONMENTAL CONDITIONS						
Environment		cateorgy II (AC Input), po	llution degree 2			
Operating Temperature Range Storage Temperature Range	0°C ~50°C -25°C ~70°C					
Operating Humidity Range	20% to 85% RH					
Storage Humidity Range	and the set of the set	ive humidity (no condensa	tion)			
AC INPUT	,		,			
Norminal Input	100Vac ~ 240Vac, 50Hz	~ 60Hz, single phase				
Input Range	85VAc ~ 265Vac	ů,				
Power Factor (100Vac/200Vac)	0.99/0.98					
Maximum Input Current (100Vac/200Vac Inrush Current) 21A/11A ≦50A					
Efficiency(100Vac/200Vac)		800/ (850/	930/ 1960/	9.40/ 19.70/	940/ 1970/	
DIMENSIONS & WEIGHT	77%/79%	82%/85%	83%/86%	84%/87%	84%/87%	
Analog Control (Non-Isolated)	YES					
PC Remote Interface (Standard)	YES USB (Device/Host)/RS-232 with RS-485/LAN					
C Remote Interface (Optional)	GPIB/Analog Control Interface (Isolated Voltage Control)/Analog Control Interface (Isolated Current Control);					
	Note : Selection one of					
Cooling Fan	Forced air cooling by in					
Dimensions & Weight	423(W) x 43.6(H) x 447	.2(D) ; Approach 8.7kg		and 202 a	10 1000 Not 540 - 444400	
				s subject to change without no	tice. SU-SeriesG[
ORDERING INFORMATION		OPTIONAL ASS			wi 200	
	Switching DC Power Sup				ith DB9 connector kit	
PSU 12.5-120 1500W Programmable :			GTL-246 USB Cable, USB 2.0A-B TYPE CABLE, 4P PSU-485 RS 485 Cable with DB9 connector kit GTL-251 GPIB-USB-HS (high speed) GRM-001 Slide bracket 2pcs/set ,PSU option			
	Switching DC Power Supply				10 10 10 10 10 10 10 10 10 10 10 10 10 1	
	Switching DC Power Sup	DIY DELLARG Cable for 1	units in parallel connection		mote control card (factory o	
	Switching DC Power Sup	PSU-02B Bus bar fo	r 3 units in parallel connection	PSU-ISO-V Isolate voltage ren	mote control card (factory of	
ACCESSORIES			units in parallel connection		cord 3m ,PSU option	
User Manual x 1, Basic Accessories Kit x 1		PSU-03B Bus bar fo	r 4 units in parallel connection	GPW-002 VDE power con	d 3m ,PSU option	

FREE DOWNLOAD Driver LabView Driver

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Japan Subsidiary

TEXIO TECHNOLOGY CORPORATION.

PSU-03C Cable for 4 units in parallel connection

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GPW-003 PSE power cord 3m ,PSU option



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