





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-485 and 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



PSU 6-200 0 ~ 6V 0 ~ 200A 1200W 60mV 8mV 400mA	9 - 12.5V 0 ~ 120A 1500W	PSU 20-76 0 ~ 20V 0 ~ 76A 1520W	PSU 40-38 0 40V 0 38A 1520W	0 ~ 60V 0 ~ 25A 1500W				
0 ~ 200A 1200W 60mV 8mV 400mA	0 ~ 120A 1500W 60mV 8mV	0 ~ 76A 1520W 60mV 8mV	0 – 38A 1520W	0 ~ 25A 1500W				
0 ~ 200A 1200W 60mV 8mV 400mA	0 ~ 120A 1500W 60mV 8mV	0 ~ 76A 1520W 60mV 8mV	0 – 38A 1520W	0 ~ 25A 1500W				
60mV 8mV 400mA	1500W 60mV 8mV	1520W 60mV 8mV	1520W	1500W				
60mV 8mV 400mA	60mV 8mV	60mV 8mV	60mV					
8mV 400mA	8mV	8mV	1/0/2000					
8mV 400mA	8mV	8mV	1/0/2000					
400mA 2.6mV			0.17	60mV				
2.6mV	ZHOINA		8mV 95mA	8mV 75mA				
		152mA	93IIIA	/SMA				
	3.25mV	4mV	6mV	8mV				
	29mA	20.2mA	12.6mA	10mA				
32 VAC input or 170-265 V								
2.6mV	3.25mV	4mV	6mV	8mV				
22mA	14mA	9.6mA	5.8mA	4.5mA				
		32,950,2515	(2002)27(0)					
3mV	6.25mV	10mV	20mV	30mV				
200mA	120mA	76mA	38mA	25mA				
The second secon	- Annual Colorests	-summerStrSt7	Umor some SCR 135.1	WARTER PROTECTION				
6mV	12.5mV	20mV	40mV	60mV				
400mA	240mA	152mA	76mA	50mA				
IE .	A) ().			n				
1.5ms	1ms	1ms	1ms	lms				
80ms	80ms	80ms	80ms	80ms				
500ms	700ms	800ms	1000ms	1100ms				
777777	50ms	50ms	80ms	80ms				
ESOLUTION								
0.2mV	0.4mV	0.7mV	1.3mV	2mV				
Caralleria Company	4mA	Z.5mA	1.2mA	0.8mA				
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100PPM/ C after 30 minutes warm up								
11 . 4 . 2 . 1 . 1	4							
Up to 4 units including master unit								
Op to 2 units including	master unit							
Indoorne installation	s antennes III (AC Innest) and	lution doeses 2						
	cateorgy II (AC Input), por	lution degree 2						
Up to 90% or less relative humidity (no condensation)								
r. 70		70						
100Vac ~ 240Vac. 50Hz	z ~ 60Hz, single phase							
85VAc ~ 265Vac								
0.99/0.98								
≦50A								
77%/79%	82%/85%	83%/86%	84%/87%	84%/87%				
10 / At		THE STATE OF THE S						
YES	c-wyddiad - vggyddiadol dau santalad i dawlo							
		ontrol)/Analog Control Int	erface (Isolated Current C	Control);				
- 19 12 日本 19 12 13 13 13 13 13 13 13 13 13 13 13 13 13								
	6mV 400mA 1E 1.5ms 80ms 500ms 10ms ESOLUTION 0.2mV 6mA 30 minute warm-up) 100PPM/°C after 30 m 100PPM/°C after 30 m 100PPM/°C after 30 m Up to 4 units including Up to 2 units including Up to 2 units including Up to 85% RH Up to 90% or less relat 100Vac ~ 240Vac, 50Hz 85VAc ~ 265Vac 0.99/0.98 21A/11A ≤50A 77%/79% YES USB (Device/Host)/RS GPIB/Analog Control I Note: Selection one of Forced air cooling by in	6mV	Section Sec	6mV 400mA 240mA 152mV 20mV 40mV 76mA 1E 1.5ms				

Specifications subject to change without notice. SU-SeriesGD2DH

ORDERING INFORMATION

1200W Programmable Switching DC Power Supply PSU 6-200 1500W Programmable Switching DC Power Supply PSU 12.5-120 1520W Programmable Switching DC Power Supply PSII 20-76 PSU 40-38 1520W Programmable Switching DC Power Supply PSU 60-25 1500W Programmable Switching DC Power Supply

User Manual x 1, Basic Accessories Kit x 1

FREE DOWNLOAD

Driver LabView Driver

Global Headquarters

GOOD WILL INSTRUMENT CO., LTD.

No.7-1, Jhongsing Road, Tucheng Dist., New Taipei City 236, Taiwan T +886-2-2268-0389 F +886-2-2268-0639 E-mail: marketing@goodwill.com.tw

China Subsidiary

GOOD WILL INSTRUMENT (SUZHOU) CO., LTD.

No. 521, Zhujiang Road, Snd, Suzhou Jiangsu 215011 China T +86-512-6661-7177 F +86-512-6661-7277 E-mail: marketing@instek.com.cn

Malaysia Subsidiary

GOOD WILL INSTRUMENT (M) SDN. BHD.

27, Persiaran Mahsuri 1/1, Sunway Tunas, 11900 Bayan Lepas, Penang, Malaysia T+604-6309988 F+604-6309989 E-mail: sales@goodwill.com.my

Europe Subsidiary

GOOD WILL INSTRUMENT EURO B.V.

De Run 5427A, 5504DG Veldhoven, THE NETHERLANDS T +31 (0)40-2557790 F+31 (0)40-2541194

OPTIONAL ASSESSORIES GTL-248 GPIB Cable (2m) RS 232 Cable with DB9 connector kit PSU-232 GTL-246 USB Cable, USB 2.0A-B TYPE CABLE, 4P RS 485 Cable with DB9 connector kit PSU-485 GTL-251 GPIB-USB-HS (high speed) GRM-001 Slide bracket 2pcs/set ,PSU option PSU-01B Bus bar for 2 units in parallel connection PSU-GPIB GPIB Interface card (factory option) PSU-01C Cable for 2 units in parallel connection Isolate current remote control card (factory option) PSU-ISO-I PSU-02B Bus bar for 3 units in parallel connection PSU-ISO-V Isolate voltage remote control card (factory option) PSU-02C Cable for 3 units in parallel connection UL/CSA power cord 3m ,PSU option GPW-001 PSU-03B Bus bar for 4 units in parallel connection VDE power cord 3m ,PSU option GPW-002 PSU-03C Cable for 4 units in parallel connection PSE power cord 3m ,PSU option GPW-003

U.S.A. Subsidiary

INSTEK AMERICA CORP.

5198 Brooks Street Montclair, CA 91763, U.S.A. T +1-909-399-3535 F +1-909-399-0819 E-mail: sales@instekamerica.com

TEXIO TECHNOLOGY CORPORATION.

7F Towa Fudosan Shin Yokohama Bldg., 2-18-13 Shin Yokohama, Kohoku-ku, Yokohama, Kanagawa, 222-0033 Japan

T +81-45-620-2305 F +81-45-534-7181

E-mail: info@texio.co.jp

Korea Subsidiary

GOOD WILL INSTRUMENT KOREA CO., LTD.

#1406, Ace Hightech-City B/D 1 Dong, Mullae-Dong 3Ga 55-20, Yeongduengpo-Gu, Seoul, Korea T+82-2-3439-2205 F+82-2-3439-2207 E-mail: gwinstek@gwinstek.co.kr



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