PROGRAMMABLE SWITCHING D.C. POWER SUPPLY



GW Instek PSU-Series, a DC power supply with high power density design, is 1U in height and compatible with 19" Rack Mount Size. The series is suitable for test system installation or system integration by flexibly selecting models for the integration into the existing test system. The PSU-Series, featuring superior voltage and current control functions, comprises fifteen models with output voltage/current ranging from 6V/200A to 600V/2.6A. The Series is suitable for different test conditions and DUTs, including electronic components testing, micro resistors, relays, shunt resistors, 12V/24V/48V battery simulation, and automotive electronic device testing.

The PSU-HV series is ideal for the primary input of DC/DC converter and servomotor production application. PSU is often integrated into component test systems such as aging test equipment for capacitors; 600V DC bias applications; aging test equipment for diode; semiconductor production equipment; automotive electronics; and ECU for V8 engine or V12 engine, etc.

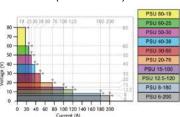
Utilizing same model units of the PSU-Series to conduct series and parallel connections can increase total output power, total current or total voltage. The wide voltage and current output ranges of the PSU-Series can fully satisfy various voltage and current measurement requirements. The PSU-Series is a single power output DC programmable power supply, which outputs 1200W to 1560W. The PSU-Series provides maximum 2 units in series connection (models under 300V) to achieve maximum 600V or 4 units in parallel connection to obtain maximum 800A and the maximum output power of 6.24 kilowatts.

The PSU-Series allows settings for CC priority or CV priority. Under CC or CV mode, users can adjust slew rate for output voltage or current based upon test requirements. There are two kinds of slew rate settings: high speed priority and slew rate priority. High speed priority sets slew rate at the maximum speed to reach CC or CV mode. Slew rate priority allows users to set slew rate for CC or CV mode in order to control rise or fall slew rate. Slew rate priority mode is ideal for motor tests by adjusting the rise time of output voltage to protect DUT from being damaged by inrush current occurred at turn-on.

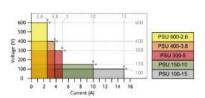
Comparing with other 1U power supplies available in the market, PSU supports a most complete array of interfaces, including USB, LAN, RS-232, RS-485, analog control interface, GPIB (option), isolated analog interface (voltage control), and isolated analog interface (current control). Via the multi-drop mode, PSU will not need any switch/hub and GPIB cable for remote control and slave unit augmentation when using LAN, USB or GPIB. This feature can help users save costs on augmentation equipment for connecting slave while using LAN or USB.

The PSU-Series provides users with flexible settings of High/Low Level or Trigger input/Trigger output signals with pulse width of 1 \sim 60ms. Trigger input controls PSU to output or upload preset voltage, current and memory parameters. While outputting or uploading preset voltage, current and memory parameters PSU can produce corresponding Trigger output signals.

PSU-Series Operating Area (6-80V models)



PSU-Series Operating Area (100-600V models)



PSU-Series

FEATURES

- Voltage Output: 6V/8V/12.5V/15V/20V/ 30V/40V/50V/60V/80V/100V/150V/300V/ 400V/600V
- Power Output: 1200W ~ 1560W
- C.V/C.C Priority Mode
- Adjustable Voltage/Current Rise and Fall Time
- Series/Parallel Connection: Max. 2 units (Models Under 300V)/4 units of The Same Model
- High Efficiency and High Power Density
- 1U Height and 19"Rack Mount Size
- Three sets of Preset Function
- Bleeder Control Function
- Internal Resistance Function
- Panel Lock Function
- Protection: OVP, OCP, OHP, UVL, AC Fail, FAN Fail
- Standard: USB, LAN, RS-232, RS-485, Analog Control
- Option: GPIB, Isolated Analog Interface (Voltage Control/Current Control)

APPLICATIONS

- The Primary Input of DC/DC Converter
- Servomotor Manufacturing Equipment
- Aging Test Equipment for Capacitors
- Aging Test Equipment for Diodes
- Power Supply for Communications Equipment
- Electronic Components Testing
- Micro Resistors
- Relays
- Shunt Resistors

Model Name	Voltage	Current	Power	
PSU 6-200	6V	200A	1200W	
PSU 8-180	8V	180A	1440W	
PSU 12.5-120	12.5V	120A	1500W	
PSU 15-100	15V	100A	1500W	
PSU 20-76	20V	76A	1520W	
PSU 30-50	30V	50A	1500W	
PSU 40-38	40V	38A	1520W	
PSU 50-30	50V	30A	1500W	
PSU 60-25	60V	25A	1500W	
PSU 80-19	80V	19A	1520W	
PSU 100-15	100V	15A	1500W	
PSU 150-10	150V	10A	1500W	
PSU 300-5	300V	5A	1500W	
PSU 400-3.8	400V	3.8A	1520W	
PSU 600-2.6	600V	2.6A	1560W	



SPECIFICATIONS								
MODEL	PSU 6-200	PSU 8-180	PSU 12.5-120	PSU 15-100	PSU 20-76	PSU 30-50	PSU 40-38	PSU 50-30
OUTPUT RATINGS			I					
Rated Output Voltage (*1) Rated Output Current (*2)	6V	8V	12.5V	15V	20V	30V	40V	50V
Rated Output Current (*2)	200A 1200W	180A 1440W	120A 1500W	100A 1500W	76A 1520W	50A 1500W	38A 1520W	30A 1500W
RIPPLE AND NOISE(*5)	.20011		130011	130011	132011	130011	132011	130011
CVp-p(10 ~ 20MHz) p-p (*6)	60mV	60mV	60mV	60mV	60mV	60mV	60mV	60mV
CVrms(5Hz ~ 1MHz) r.m.s. (*7)	8mV	8mV	8mV	8mV	8mV	8mV	8mV	8mV
CCrms(5Hz ~ 1MHz) r.m.s.(*12)	400mA	360mA	240mA	200mA	152mA	125mA	95mA	85mA
LOAD REGULATION			I		I		I	
Voltage(*4) Current(*11)	2.6mV 45mA	2.8mV 41mA	3.25mV 29mA	3.5mV 25mA	4mV 20.2mA	5mV 15mA	6mV 12.6mA	7mV 11mA
LINE REGULATION	131101	-111101	251101	231171	20.2117	131171	12.011171	111101
Voltage(*3)	2.6mV	2.8mV	3.25mV	3.5mV	4mV	5mV	6mV	7mV
Current(*3)	22mA	20mA	14mA	12mA	9.6mA	7mA	5.8mA	5mA
ANALOG PROGRAMMING AND MO	ONITORING			1	1	1	1	1
External Voltage Control Output Voltage External Voltage Control Output Current External Resistor Control Output Voltage External Resistor Control Output Current Output Voltage Monitor Output Current Monitor Shutdown Control Output On/Off Control	Accuracy and linearity: ±0.5% of rated output voltage Accuracy and linearity: ±1% of rated output current Accuracy and linearity: ±1% of rated output voltage Accuracy and linearity: ±1.5% of rated output current Accuracy: ±1% Accuracy: ±1% Turns the output off with a LOW (0V to 0.5V) or short-circuit Possible logic selections: Turn the output on using a LOW (0V to 0.5V) or short-circuit, turn the output off using a HIGH (4.5V to 5V) or open-circuit;							
Alarm Clear Control CV/CC/ALM/PWR ON/OUT ON Indicator Trigger Out Trigger In FRONT PANEL	Turn the output on using a HIGH (4.5V to 5V) or open-circuit, turn the output off using a LOW (0V to 0.5V) or short-circuit Clear alarms with a LOW (0V to 0.5V) or short-circuit Photocoupler open collector output; Maximum voltage 30V, maximum sink current 8mA Maximum low level output = 0.8V; minimum high level output = 2V; Maximum source current = 8mA Maximum low level input voltage = 0.8V; minimum high level input votage = 2V, Maximum sink current = 8mA							
Display, 4 digits, Voltage Accuracy 0.1%+	12mV	16mV	25mV	30mV	40mV	60mV	80mV	100mV
Current Accuracy 0.2%+ Indications Buttons Knobs	600mA 540mA 360mA 300mA 228mA 150mA 114mA 90mA GREEN LED's: CV, CC, V, A, VSR, ISR, DLY, RMT, LAN, M1, M2, M3, RUN, Output ON; RED LED's: ALM, ERR Lock/Local(Unlock), PROT(ALM_CLR), Function(M1), Test(M2), Set(M3), Shift, Output Voltage, Current							
USB Port	Type A USB connector							
TRANSIENT RESPONSE TIME (*10) Transient Response Time	1.5ms	1.5ms	1ms	1ms	1ms	1ms	1ms	lms
OUTPUT RESPONSE TIME	1.5ms	1.31115	IIIIS	11115	11115	IIIIS	11112	11112
Rise Time(*8) Rated load	80ms	80ms	80ms	80ms	80ms	80ms	80ms	80ms
` ´ No load	80ms	80ms	80ms	80ms	80ms	80ms	80ms	80ms
Fall Time(*9) Rated load No load	10ms 500ms	50ms 600ms	50ms 700ms	50ms 700ms	50ms 800ms	80ms 900ms	80ms 1000ms	80ms 1100ms
PROGRAMMING AND MEASUREME	NTS (RS-232/	485, USB, LAN,	GPIB)					
Output Voltage Programming Accuracy 0.05%+ Output Current Programming Accuracy 0.2%+	3mV 200mA	4mV 180mA	6.25mV 120mA	7.5mV 100mA	10mV 76mA	15mV 50mA	20mV 38mA	25mV 30mA
Output Voltage Programming Resolution	0.2mV	0.27mV	0.4mV	0.5mV	0.7mV	1mV	1.3mV	1.7mV
Output Current Programming Resolution	6mA	6mA	4mA	3.3mA	2.5mA	1.7mA	1.2mA	1mA
Output Voltage Measurement Accuracy 0.1%+ Output Current Measurement Accuracy 0.2%+	6mV 400mA	8mV 360mA	12.5mV 240mA	15mV 200mA	20mV 152mA	30mV 100mA	40mV 76mA	50mV 60mA
Output Voltage Measurement Resolution	0.2mV	0.27mV	0.4mV	0.5mV	0.7mV	1mV	1.3mV	1.7mV
Output Current Measurement Resolution	6mA	6mA	4mA	3.3mA	2.5mA	1.7mA	1.2mA	1mA
TEMPERATURE COEFFICIENCE Voltage & Current	100nnm/°C a	fter a 30 minute w	/arm up					
REMOTE SENSE COMPENSATION V			инг-ир					
Voltage	1V	17	1V	1V	1V	1.5V	2V	2V
PROTECTION FUNCTION								
Over Voltage Protection(OVP) Setting Range	0.6~6.6V	0.8~8.8V	1.25~13.75V	1.5~16.5V	2~22V	3~33V	4~44V	5~55V
Setting Accuracy Over Current Protection(OCP) Setting Range	60mV 5~220A	80mV 5~198A	125mV 5~132A	150mV 5~110A	200mV 5~83.6A	300mV 5~55A	400mV 3.8~41.8A	500mV 3~33A
Setting Accuracy	4000mA	3600mA	2400mA	2000mA	1520mA	1000mA	760mA	600mA
Under Voltage Limit(UVL) Setting Range	0~6.3V	0~8.4V	0~13.12V	0~15.75V	0~21V	0~31.5V	0~42V	0~52.5V
Over Temperature Protection(OHP) Operation Incorrect Sensing Connection Protection(SENSE) Operation	Turn the outp Turn the outp							
Low AC Input Protection (AC-FAIL) Operation	Turn the outp							
Shutdown (SD) Operation	Turn the outp							
Power Limit (POWER LIMIT) Operation Value (Fixed)	Over power li	mit s of rated output p	ower					
INTERFACE CAPABILITIES	7.PPIOX. 10376	. or rated output p						
USB	TypeA: Host	TypeB: Slave, Spee	ed: 1.1/2.0. USB C	lass: CDC(Comm	unications Dev	vice Class)		
LAN	MAC Address	TypeA: Host, TypeB: Slave, Speed: 1.1/2.0, USB Class: CDC(Communications Device Class) MAC Address, DNS IP Address, User Password, Gateway IP Address, Instrument IP Address, Subnet Mask						
RS-232 / RS-485			IA485 Specification	ns				
GPIB (Factory Option) ISOLATED ANALOG CONTROL INTE	SCPI - 1993, IEEE 488.2 compliant interface							
Voltage Control	Using 0-5V or 0-10V signals for programming and measurement							
Current Control	Using 4-20mA	current signals for	or programming a	nd measurement				
ENVIRONMENTAL CONDITIONS Operating Temperature	0°C 50°C "	:14)						
Storage Temperature	0°C ~ 50°C (* -25°C ~ 70°C	,						
Operating Humidity	20% ~ 85% RH; No condensation							
Storage Humidity Altitude	Maximum 200	ss; No condensati 00m	OII					
INPUT CHARACTERISTICS								
Nominal Input Rating		Vac, 50Hz to 60H	z, single phase					
Input Voltage Range Input Frequency Range	85Vac ~ 265Vac 47Hz ~ 63Hz							
Maximum Input Current 100Vac/200Vac(A)	21/11							
Inrush Current	Less than 50A							
Maximum Input Power Power Factor 100Vac/200Vac	2000VA 0.9970.98							
Hold-up Time	0.99/0.98 20ms or greater							
Efficiency (*13) 100Vac/200Vac(%)								
DIMENSIONS & WEIGHT		,	•	•		,		,
	423(W) × 43.	6(H) × 447.2(D)	mm, Approx. 8.7k	g				

SPECIFICATIONS												
MODEL	PSU 60-25	PSU 80-19	PSU 100-15	PSU 150-10	PSU 300-5	PSU 400-3.8	PSU 600-2.6					
OUTPUT RATINGS												
Rated Output Voltage (*1)	60V	80V	100V	150V	300V	400V	600V					
Rated Output Current (*2)	25A	19A	15A	10A	5A	3.8A	2.6A					
Rated Output Power	1500W	1520W	1500W	1500W	1500W	1520W	1560W					
RIPPLE AND NOISE(*5)												
CVp-p(10 ~ 20MHz) p-p (*6)	60mV 8mV	80mV 8mV	80mV 8mV	100mV 10mV	150mV 25mV	200mV 40mV	300mV					
CVrms(5Hz ~ 1MHz) r.m.s. (*7) CCrms(5Hz ~ 1MHz) r.m.s.(*12)	75mA	57mA	45mA	35mA	25mA	17mA	60mV 12mA					
LOAD REGULATION					-							
Voltage(*4)	8mV	10mV	12mV	17mV	32mV	42mV	62mV					
Current(*11)	10mA	8.8mA	8mA	7mA	6mA	5.76mA	5.52mA					
LINE REGULATION		<u> </u>	I.									
Voltage(*3)	8mV	10mV	12mV	17mV	32mV	42mV	62mV					
Current(*3)	4.5mA	3.9mA	3.5mA	3mA	2.5mA	2.38mA	2.26mA					
ANALOG PROGRAMMING AND MO	ONITORING					•						
External Voltage Control Output Voltage External Voltage Control Output Current External Resistor Control Output Voltage External Resistor Control Output Current Output Voltage Monitor Output Current Monitor Shutdown Control Output On/Off Control Alarm Clear Control CV/CC/ALM/PWR ON/OUT ON Indicator Trigger Out Trigger In	Accuracy and linearity: ±1% of rated output voltage Accuracy and linearity: ±1% of rated output current Accuracy and linearity: ±1% of rated output voltage Accuracy and linearity: ±1.5% of rated output current Accuracy: ±1% Accuracy: ±1% Accuracy: ±1% Turns the output off with a LOW (0V to 0.5V) or short-circuit Possible logic selections: Turn the output on using a LOW (0V to 0.5V) or short-circuit, turn the output off using a HIGH (4.5V to 5V) or open-circuit; Turn the output on using a HIGH (4.5V to 5V) or open-circuit, turn the output off using a LOW (0V to 0.5V) or short-circuit Clear alarms with a LOW (0V to 0.5V) or short-circuit Photocoupler open collector output; Maximum voltage 30V, maximum sink current 8mA Maximum low level output = 0.8V; minimum high level output = 2V; Maximum sonce current = 8mA Maximum low level input voltage = 0.8V; minimum high level input votage = 2V, Maximum sink current = 8mA											
	Maximum low is	ever input voitage = t	7.6 V, MIMIMIMUM MIS	gri level iriput votage	= ZV, IVIAXIIIIUIII	SITIK CUTTETIL = OTTIP	•					
FRONT PANEL Display, 4 digits, Voltage Accuracy 0.1%+	120=-1/	160-14	200 -1/	200:-14	600-14	900 -1/	1200 - 14					
Current Accuracy 0.1%+	120mV 75mA	160mV 57mA	200mV 45mA	300mV 30mA	600mV 15mA	800mV 11.4mA	1200mV 7.8mA					
Indications						1						
Buttons	GREEN LED's: CV, CC, V, A, VSR, ISR, DLY, RMT, LAN, M1, M2, M3, RUN, Output ON; RED LED's: ALM, ERR Lock/Local(Unlock), PROT(ALM_CLR), Function(M1), Test(M2), Set(M3), Shift, Output											
Knobs USB Port		Voltage, Current										
	Type A USB con	nector										
TRANSIENT RESPONSE TIME (*10) Transient Response Time	1ms	1ms	1ms	2ms	2ms	2ms	2ms					
OUTPUT RESPONSE TIME	Ims	Ims	Irris	Zms	21115	Zrris	Zrris					
Rise Time(*8) Rated load	80ms	150ms	150ms	150ms	150ms	200ms	250ms					
No load	80ms	150ms	150ms	150ms	150ms	200ms	250ms					
Fall Time(*9) Rated load	80ms	150ms	150ms	150ms	150ms	200ms	250ms					
No load	1100ms	1200ms	1500ms	2000ms	2500ms	3000ms	4000ms					
PROGRAMMING AND MEASUREME Output Voltage Programming Accuracy 0.05%+		40mV	50mV	75mV	150mV	200mV	300mV					
Output Current Programming Accuracy 0.2%+		19mA	15mA	10mA	5mA	3.8mA	2.6mA					
Output Voltage Programming Resolution	2mV	2.7mV	3.4mV	5.2mV	10.2mV	13.6mV	20.4mV					
Output Current Programming Resolution Output Voltage Measurement Accuracy 0.1%+	0.8mA 60mV	0.65mA 80mV	0.5mA 100mV	0.34mA 150mV	0.19mA 300mV	0.13mA 400mV	0.09mA 600mV					
Output Current Measurement Accuracy 0.2%+		38mA	30mA	20mA	10mA	7.6mA	5.2mA					
Output Voltage Measurement Resolution	2mV	2.7mV	3.4mV	5.2mV	10.2mV	13.6mV	20.4mV					
Output Current Measurement Resolution	0.8mA	0.65mA	0.5mA	0.34mA	0.19mA	0.13mA	0.09mA					
TEMPERATURE COEFFICIENCE	100 °C 6	20 : .										
Voltage & Current		er a 30 minute warm	-up									
REMOTE SENSE COMPENSATION V	· ·											
Voltage	3V	4V	5V	5V	5V	5V	5V					
PROTECTION FUNCTION	5~66V	F 99\/	5~110V	F 165V	5~330V	5~440V	5~660V					
Over Voltage Protection(OVP) Setting Range Setting Accuracy	600mV	5~88V 800mV	1000mV	5~165V 1500mV	3000mV	4000mV	6000mV					
Over Current Protection(OCP) Setting Range	2.5~27.5A	1.9~20.9A	1.5~16.5A	1~11A	0.5~5.5A	0.38~4.18A	0.26~2.86A					
Under Voltage Limit(UVL) Setting Accuracy Setting Range	500mA 0~63V	380mA 0~84V	300mA 0~105V	200mA 0~157.5V	100mA 0~315V	76mA 0~420V	52mA 0~630V					
Over Temperature Protection(OHP) Operation	Turn the output		U~103V	U~137.3V	U~313V	U~4ZUV	U~03UV					
Incorrect Sensing Connection Protection(SENSE) Operation	Turn the output											
Low AC Input Protection (AC-FAIL) Operation	Turn the output	off.										
Shutdown (SD) Operation	Turn the output											
Power Limit (POWER LIMIT) Operation	Over power limi		ır									
Value (Fixed)	Approx. 103% 0	f rated output powe	.1									
INTERFACE CAPABILITIES	Tunchillini	noPr Claus Court 3	1/20 USD CI	CDC(C	ions Davies Cl	2)						
USB LAN		peB: Slave, Speed: 1 DNS IP Address, Us										
RS-232 / RS-485		he EIA232D / EIA48		,	Addit	,						
GPIB (Factory Option)	SCPI - 1993, IEE	E 488.2 compliant i										
ISOLATED ANALOG CONTROL INTE												
Voltage Control Current Control		10V signals for progurent signals for pr										
ENVIRONMENTAL CONDITIONS		and a signal of pr	Si amining and fi	asarcinciit								
Operating Temperature	0°C~50°C (*14	4)										
Storage Temperature	-25°C~70°C											
Operating Humidity		No condensation										
	Maximum 2000	; No condensation m										
Storage Humidity Altitude												
	IVIAXIIIIGIII 2000		100Vac to 240Vac, 50Hz to 60Hz, single phase									
Altitude		ac, 50Hz to 60Hz, si	ngle phase			85Vac ~ 265Vac						
Altitude INPUT CHARACTERISTICS Nominal Input Rating Input Voltage Range	100Vac to 240Va 85Vac ~ 265Vac	ac, 50Hz to 60Hz, si	ngle phase									
Altitude INPUT CHARACTERISTICS Nominal Input Rating Input Voltage Range Input Frequency Range	100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz	ac, 50Hz to 60Hz, si	ngle phase									
Altitude INPUT CHARACTERISTICS Nominal Input Rating Input Voltage Range Input Frequency Range Maximum Input Current 100Vac/200Vac(A)	100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz 21/11	ac, 50Hz to 60Hz, si	ngle phase									
Altitude INPUT CHARACTERISTICS Nominal Input Rating Input Voltage Range Input Frequency Range	100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz	ac, 50Hz to 60Hz, si	ngle phase									
Altitude INPUT CHARACTERISTICS Nominal Input Rating Input Voltage Range Input Frequency Range Maximum Input Current Inrush Current Maximum Input Power Power Factor 100Vac/200Vac	100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz 21/11 Less than 50A 2000VA 0.99/0.98		ngle phase									
Altitude INPUT CHARACTERISTICS Nominal Input Rating Input Voltage Range Input Frequency Range Maximum Input Current Inrush Current Maximum Input Power Power Factor Hold-up Time INPUT CHARACTERISTICS 100Vac/200Vac(A) 100Vac/200Vac(A)	100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz 21/11 Less than 50A 2000VA 0.99/0.98 20ms or greater				04/67	0.15-						
Altitude INPUT CHARACTERISTICS Nominal Input Rating Input Voltage Range Input Frequency Range Maximum Input Current Inrush Current Maximum Input Power Power Factor Hold-up Time Efficiency (*13) INPUT CHARACTERISTICS 100Vac/200Vac(A) 100Vac/200Vac(A) 100Vac/200Vac(%)	100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz 21/11 Less than 50A 2000VA 0.99/0.98 20ms or greater		ngle phase 84/87	84/87	84/87	84/87	84/87					
Altitude INPUT CHARACTERISTICS Nominal Input Rating Input Voltage Range Input Frequency Range Maximum Input Current Maximum Input Power Power Factor Hold-up Time INPUT CHARACTERISTICS 100Vac/200Vac(A) 100Vac/200Vac 100Vac/200Vac	100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz 21/11 Less than 50A 2000VA 0.99/0.98 20ms or greater 84/87		84/87	84/87	84/87	84/87	84/87					

- Notes: *1. Minimum voltage is guaranteed to maximum 0.2% of the rated output voltage.

 *2. Minimum current is guaranteed to maximum 0.4% of the rated output current.

 *3. At 85–132Vac or 170–265Vac, constant load.

 *4. From No-load to Full-load, constant input voltage. Measured at the sensing point in Remote Sense.

 *5. Measure with JEITA RC-91318 (1:1) probe

 - *9. From 90% to 10% of rated output voltage, with rated resistive load.
 - *6. Measurement frequency bandwidth is 10Hz to 20MHz.

 *7. Measurement frequency bandwidth is 5Hz to 1MHz.

 *8. From 10% to 90% of rated output voltage, with rated resistive load.

voltage and full output current. For other models, the ripple is measured at 10–100% output voltage and full output current. *13. At rated output power. *14. If install the front panel filter kit, the temperature is guaranteed to 40°C.

*10. Time for output voltage to recover within 0.5% of its rated output for a load change from 10 to 90% of its rated output current. Voltage set point from 10% to 100% of rated output. *11. For load voltage change, equal to the unit voltage rating, constant input voltage.

*12. For 6V~20V model the ripple is measured at 2V ~ rated output

PSU-01B Bus bar for 2 units in parallel connection GPW-001 UL/CSA power cord 3m ,PSU option PSU-01C Cable for 2 units in parallel connection GPW-002 VDE power cord 3m, PSU option

PSU-02B Bus bar for 3 units in parallel connection GPW-003 PSE power cord 3m, PSU option PSU-02C Cable for 3 units in parallel connection GTL-246 USB Cable, USB 2.0A-B Type Cable, 4P

PSU-03B Bus bar for 4 units in parallel connection GTL-258 GPIB Cable, 2000mm PSU-03C Cable for 4 units in parallel connection GTL-259 RS-232 Cable with DB9 connector to RJ45

PSU-232 RS232 Cable with DB9 connector kit PSU-485 RS485 Cable with DB9 connector kit

PSU-001 Front panel filter kit(factory Installed)

PSU-01A Joins a vertical stack of 2 PSU units together. 2U-sized handles x2, joining plates x2 PSU-02A Joins a vertical stack of 3 PSU units together. 3U-sized handles x2, joining plates x2 PSU-03A Joins a vertical stack of 4 PSU units together. 4U-sized handles x2, joining plates x2

PSU-ISO-I Isolate current remote control card (factory option) PSU-ISO-V Isolate voltage remote control card (factory option)

PSU-GPIB GPIB Interface card (factory option) GRM-001 Slide bracket 2pcs/set ,PSU option

FREE DOWNLO

Driver LabView Driver

Specifications subject to change without notice. PSU-SeriesGD1DS

GTL-262 RS-485 Slave cable

GTL-260 RS-485 Cable with DB9 connector to RI45

ORDERING INFORMATION

1200W Programmable Switching DC Power Supply 1440W Programmable Switching DC Power Supply PSU 6-200 PSU 8-180 PSU 12.5-120 1500W Programmable Switching DC Power Supply 1500W Programmable Switching DC Power Supply PSU 15-100 1520W Programmable Switching DC Power Supply 1500W Programmable Switching DC Power Supply PSU 20-76 PSU 30-50 PSU 40-38 PSU 50-30 PSU 60-25 1520W Programmable Switching DC Power Supply 1500W Programmable Switching DC Power Supply 1500W Programmable Switching DC Power Supply 1520W Programmable Switching DC Power Supply PSU 80-19 PSU 100-15 1500W Programmable Switching DC Power Supply 1500W Programmable Switching DC Power Supply PSU 150-10 PSU 300-5 PSU 400-3.8 1500W Programmable Switching DC Power Supply 1520W Programmable Switching DC Power Supply PSU 600-2.6 1560W Programmable Switching DC Power Supply

CD-ROM x 1 (User Manual, Programming Manual), Output terminal cover x 1, Analog connector plug kit x 1,Output terminal M8 bolt set(6V~60V model), Input terminal cover x 1,1U Handle (RoHS),1U Bracket (LEFT, RoHS),1U Bracket (RIGHT,RoHS), Power Cord(10A) provided for certain regions only

PANEL INTRODUCTION



- 1. AC Power Switch (AC Power On/Off)
- 2. USB A Port
- 3. Voltage Knob
- 4. Display Area
- 5. Current Knob
- 6. AC Input (HV:Wire Clamp Connector)
- 7. DC Output Terminal
- 8. USB
- 9. LAN
- 10. RS 485/RS 232
- 11. Analog Control Interface
- 12. Option Slot for (Selection One of Three) GPIB Interface Card/Isolate Voltage Remote Control Card/Isolate Current Remote Control Card
- 13. Remote Sense



Simply Reliable

Contact: Industrial Process Measurement, Inc. 3910 Park Avenue, Unit 7 Edison, NJ 08820 732-632-6400 support@instrumentation2000.com https://www.instrumentation2000.com/