## 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.

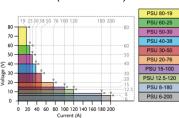
Utilizing same model units of the PSU-Series to conduct series and parallel connections can increase total output power, total current or total voltage. The wide voltage and current output ranges of the PSU-Series can fully satisfy various voltage and current measurement requirements. The PSU-Series 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.

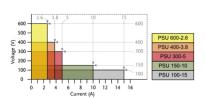
Comparing with other 1U power supplies available in the market, PSU supports a most complete array of interfaces, including USB, LAN, RS-232, RS-485, analog control interface, GPIB (option), isolated analog interface (voltage control), and isolated analog interface (current control). Via the multi-drop 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								
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)	120011		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	<u> </u>		I		I		ı	
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	1311111	-111101	251101	231171	20.2117	131171	12.01171	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			
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 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 USB Port	Lock/Local(Ur Voltage, Curre	nlock), PROT(ALM ent	S, ISR, DLY, RMT, L L_CLR), Function(N				114mA :: ALM, ERR	90mA
TRANSIENT RESPONSE TIME (*10)	Type A USB co	ATTICCTO!						
Transient Response Time	1.5ms	1.5ms	1ms	1ms	1ms	1ms	1ms	1ms
OUTPUT RESPONSE TIME			I .		I		I	
Rise Time(*8) Rated load	80ms	80ms	80ms	80ms	80ms	80ms	80ms	80ms
No load Fall Time(*9) Rated load	80ms 10ms	80ms 50ms	80ms 50ms	80ms 50ms	80ms 50ms	80ms 80ms	80ms 80ms	80ms 80ms
` ' No load	500ms	600ms	700ms	700ms	800ms	900ms	1000ms	1100ms
PROGRAMMING AND MEASUREME				75.1/	70.1/	75. \	20. 1/	25. 1/
Output Voltage Programming Accuracy 0.05%+ Output Current Programming Accuracy 0.2%+		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 Output Voltage Measurement Accuracy 0.1%+	6mA 6mV	6mA 8mV	4mA 12.5mV	3.3mA 15mV	2.5mA 20mV	1.7mA 30mV	1.2mA 40mV	1mA 50mV
Output Current Measurement Accuracy 0.2%+	400mA	360mA	240mA	200mA	152mA	100mA	76mA	60mA
Output Voltage Measurement Resolution	0.2mV	0.27mV	0.4mV	0.5mV	0.7mV	1mV	1.3mV	1.7mV
Output Current Measurement Resolution TEMPERATURE COEFFICIENCE	6mA	6mA	4mA	3.3mA	2.5mA	1.7mA	1.2mA	1mA
Voltage & Current	100ppm/°C a	fter a 30 minute w	/arm-up					
REMOTE SENSE COMPENSATION V								
Voltage	1V	1V	1V	1V	1V	1.5V	2V	2V
PROTECTION FUNCTION								
Over Voltage Protection(OVP) Setting Range	0.6~6.6V	0.8~8.8V 80mV	1.25~13.75V 125mV	1.5~16.5V 150mV	2~22V 200mV	3~33V 300mV	4~44V 400mV	5~55V 500mV
Setting Accuracy Over Current Protection(OCP) Setting Range	60mV 5~220A	5~198A	5~132A	5~110A	5~83.6A	5~55A	3.8~41.8A	3~33A
Setting Accuracy Under Voltage Limit(UVL) Setting Range	4000mA	3600mA	2400mA	2000mA	1520mA	1000mA	760mA	600mA
Over Temperature Protection(OHP) Operation	0~6.3V Turn the outp	0~8.4V	0~13.12V	0~15.75V	0~21V	0~31.5V	0~42V	0~52.5V
Incorrect Sensing Connection Protection(SENSE) Operation	Turn the outp							
Low AC Input Protection (AC-FAIL) Operation	Turn the outp							
Shutdown (SD) Operation Power Limit (POWER LIMIT) Operation	Turn the outp Over power li							
Value (Fixed)		of rated output p	ower					
INTERFACE CAPABILITIES								
USB			ed: 1.1/2.0, USB C					
LAN RS-232 / RS-485	MAC Address, DNS IP Address, User Password, Gateway IP Address, Instrument IP Address, Subnet Mask							
GPIB (Factory Option)	Complies with the EIA232D / EIA485 Specifications SCPI - 1993, IEEE 488.2 compliant interface							
ISOLATED ANALOG CONTROL INTE	ERFACE (FACTORY OPTION)							
Voltage Control Current Control	Using 0-5V or 0-10V signals for programming and measurement Using 4-20mA current signals for programming and measurement							
ENVIRONMENTAL CONDITIONS	Using 4-20mA current signals for programming and measurement							
Operating Temperature	0°C ~ 50°C (*	:14)						
Storage Temperature Operating Humidity	-25°C ~ 70°C 20% ~ 85% RH; No condensation							
Storage Humidity	90% RH or less; No condensation							
Altitude	Maximum 200							
INPUT CHARACTERISTICS	100/cata 240/ca FOLlata COLla sizala alecca							
Nominal Input Rating Input Voltage Range	100Vac to 240Vac, 50Hz to 60Hz, single phase 85Vac ~ 265Vac							
Input Frequency Range	47Hz ~ 63Hz							
Maximum Input Current 100Vac/200Vac(A)	21/11							
Inrush Current Maximum Input Power	Less than 50A 2000VA							
Power Factor 100Vac/200Vac	0.99/0.98							
Hold-up Time	20ms or greater							
Efficiency (*13) 100Vac/200Vac(%)	%) 76.5/79 78/81 82/85 82/85 83/86 83/86 84/87 84/87							
DIMENSIONS & WEIGHT	WEIGHT 423(W) × 43.6(H) × 447.2(D)mm, Approx. 8.7kg							
	425(W) × 43.	b(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) Rated Output Power	25A 1500W	19A 1520W	15A 1500W	10A 1500W	5A 1500W	3.8A 1520W	2.6A 1560W
RIPPLE AND NOISE(*5)	.500.11	.520			.500	.52011	1300
CVp-p( 10 ~ 20MHz) p-p (*6)	60mV	80mV	80mV	100mV	150mV	200mV	300mV
CVrms(5Hz ~ 1MHz) r.m.s. (*7)	8mV	8mV	8mV	10mV	25mV	40mV	60mV
CCrms(5Hz ~ 1MHz) r.m.s.(*12)	75mA	57mA	45mA	35mA	25mA	17mA	12mA
LOAD REGULATION			T	1			
Voltage(*4) Current(*11)	8mV 10mA	10mV 8.8mA	12mV 8mA	17mV 7mA	32mV 6mA	42mV 5.76mA	62mV 5.52mA
LINE REGULATION	101117	0.01101	Om/t	71107	01117	3.701171	3.32117
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					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  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 voltage 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 sink 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, Millimum nig	in level input votage	= ZV, IVIAXITTIUTTI	SITIK CUTTETIL = OTTIF	\
FRONT PANEL Display, 4 digits, Voltage Accuracy 0.1%+	120mV	160mV	200mV	300mV	600mV	800mV	1200mV
Current Accuracy 0.2%+	75mA	57mA	45mA	30mA	15mA	11.4mA	7.8mA
Indications		CV, CC, V, A, VSR, ISF				LED's: ALM, ERR	
Buttons Knobs	Lock/Local(Unic Voltage, Current	ck), PROT(ALM_CL	R), Function(M1),	Test(M2), Set(M3),	Shift, Output		
USB Port	Type A USB con						
TRANSIENT RESPONSE TIME (*10)							
Transient Response Time	1ms	1ms	lms	2ms	2ms	2ms	2ms
OUTPUT RESPONSE TIME							
Rise Time(*8) Rated load No load	80ms 80ms	150ms 150ms	150ms 150ms	150ms 150ms	150ms 150ms	200ms 200ms	250ms 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%+				75\/	150	200\/	200\/
Output Current Programming Accuracy 0.03%+	30mV 25mA	40mV 19mA	50mV 15mA	75mV 10mA	150mV 5mA	200mV 3.8mA	300mV 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	0.65mA	0.5mA	0.34mA	0.19mA	0.13mA	0.09mA
Output Voltage Measurement Accuracy 0.1%+ Output Current Measurement Accuracy 0.2%+	60mV 50mA	80mV 38mA	100mV 30mA	150mV 20mA	300mV 10mA	400mV 7.6mA	600mV 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	100ppm/°C after	er a 30 minute warm	LID				
Voltage & Current  REMOTE SENSE COMPENSATION V			-ир				
Voltage	3V	47	5V	5V	5V	5V	5V
PROTECTION FUNCTION	31		3,4	31		3,4	
Over Voltage Protection(OVP) Setting Range	5~66V	5~88V	5~110V	5~165V	5~330V	5~440V	5~660V
Setting Accuracy	600mV 2.5~27.5A	800mV 1.9~20.9A	1000mV 1.5~16.5A	1500mV 1~11A	3000mV 0.5~5.5A	4000mV 0.38~4.18A	6000mV 0.26~2.86A
Over Current Protection(OCP) Setting Range Setting Accuracy	500mA	380mA	300mA	200mA	100mA	76mA	52mA
Under Voltage Limit(UVL) Setting Range	0~63V	0~84V	0~105V	0~157.5V	0~315V	0~420V	0~630V
Over Temperature Protection (OHP) Operation	Turn the output						
Incorrect Sensing Connection Protection(SENSE) Operation Low AC Input Protection (AC-FAIL) Operation	Turn the output Turn the output						
Shutdown (SD) Operation	Turn the output						
Power Limit (POWER LIMIT) Operation	Over power lim	it					
Value (Fixed)	Approx. 105% o	f rated output powe	r				
INTERFACE CAPABILITIES		B 81		00.075		,	
USB LAN		peB: Slave, Speed: 1 DNS IP Address, Us					
RS-232 / RS-485		he EIA232D / EIA48		way ii Addiess, Ilis	mament ir Audr	, Judilet IVIASK	
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							
Operating Temperature	0°C ~ 50°C (*1	4)					
Storage Temperature Operating Humidity	-25°C ~ 70°C	No condensation					
Storage Humidity		No condensation;					
Altitude	Maximum 2000						
INPUT CHARACTERISTICS							
Nominal Input Rating		ac, 50Hz to 60Hz, si	ngle 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 0.99/0.98						
Hold-up Time	20ms or greater						
Efficiency (*13) 100Vac/200Vac(%)	84/87	84/87	84/87	84/87	84/87	84/87	84/87
DIMENSIONS & WEIGHT							
	423(W) × 43.6(	H) × 447.2(D) mm	, Approx. 8.7kg				

- 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-9131B (1:1) probe

  \*6. Measurement frequency bandwidth is 10Hz to 20MHz.

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

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

  \*9. From 90% to 10% of rated output voltage, with rated resistive load.

  - \*9. From 90% to 10% of rated output voltage, with rated resistive load.

# \*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
- 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.

## **ORDERING INFORMATION**

PSU 6-200	1200W	Programmable Switching DC Power Supply
PSU 8-180	1440W	Programmable Switching DC Power Supply
PSU 12.5-120	1500W	Programmable Switching DC Power Supply
PSU 15-100	1500W	Programmable Switching DC Power Supply
PSU 20-76	1520W	Programmable Switching DC Power Supply
PSU 30-50	1500W	Programmable Switching DC Power Supply
PSU 40-38	1520W	Programmable Switching DC Power Supply
PSU 50-30	1500W	Programmable Switching DC Power Supply
PSU 60-25	1500W	Programmable Switching DC Power Supply
PSU 80-19	1520W	Programmable Switching DC Power Supply
PSU 100-15	1500W	Programmable Switching DC Power Supply
PSU 150-10		Programmable Switching DC Power Supply
PSU 300-5	1500W	Programmable Switching DC Power Supply
PSU 400-3.8		Programmable Switching DC Power Supply
PSU 600-2.6		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  $set(6V\sim60V\ model)$ , Input terminal cover x 1,1U Handle (RoHS),1U Bracket (LEFT, RoHS),1U Bracket (RIGHT,RoHS), Power Cord(10A) provided for certain regions only

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 GTL-260 RS-485 Cable with DB9 connector to RI45 GTL-262 RS-485 Slave cable 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 DOWNLOA

Driver LabView Driver

Specifications subject to change without notice. PSU-SeriesGD1DS

## 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

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Simply Reliable





