



PSU-Series

Programmable Switching D.C. Power Supply

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)

1U Height, Ultra-thin, High-density, Programmable CC/CV Switching DC 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 ~ 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 Model Selection Table

1.5kW 1U High	6-200	8-180	12.5-120	15-100	20-76	30-50	40-38	50-30	60-25	80-19	100-15	150-10	300-5	400-3.8	600-2.6
Voltage	6.000 V	8.000 V	12.50 V	15.00 V	20.00 V	30.00 V	40.00 V	50.00 V	60.00 V	80.00 V	100.0 V	150.0 V	300.0 V	400.0 V	600.0 V
Current	200.0 A	180.0 A	120.0 A	100.0 A	76.00 A	50.00 A	38.00 A	30.0 A	25.00 A	19.00 A	15.00 A	10.00 A	5.000 A	3.800 A	2.600 A
Power	1200 W	1440 W	1500 W	1500 W	1520 W	1500 W	1520 W	1500 W	1500 W	1520 W	1500 W	1500 W	1500 W	1520 W	1560 W
3kW 2U High	6-400(B)	8-360(B)	12.5-240(B)	15-200(B)	20-152(B)	30-100(B)	40-76(B)	50-60(B)	60-50(B)	80-38(B)	100-30(B)	150-20(B)	300-10(B)	400-7.6(B)	600-5.2(B)
Voltage	6.000 V	8.000 V	12.50 V	15.00 V	20.00 V	30.00 V	40.00 V	50.00 V	60.00 V	80.00 V	100.0 V	150.0 V	300.0 V	400.0 V	600.0 V
Current	400.0 A	360.0 A	240.0 A	200.0 A	152.0 A	100.0 A	76.00 A	60.00 A	50.00 A	38.00 A	30.00 A	20.00 A	10.00 A	7.600 A	5.200 A
Power	2400 W	2880 W	3000 W	3000 W	3040 W	3000 W	3040 W	3000 W	3000 W	3040 W	3000 W	3000 W	3000 W	3040 W	3120 W
4.5kW 3U High	6-600(B)	8-540(B)	12.5-360(B)	15-300(B)	20-228(B)	30-150(B)	40-114(B)	50-90(B)	60-75(B)	80-57(B)	100-45(B)	150-30(B)	300-15(B)	400-11.4(B)	600-7.8(B)
	6-600(C)	8-540(C)	12.5-360(C)	15-300(C)	20-228(C)	30-150(C)	40-114(C)	50-90(C)	60-75(C)	80-57(C)	100-45(C)	150-30(C)	300-15(C)	400-11.4(C)	600-7.8(C)
	6-600(D)	8-540(D)	12.5-360(D)	15-300(D)	20-228(D)	30-150(D)	40-114(D)	50-90(D)	60-75(D)	80-57(D)	100-45(D)	150-30(D)	300-15(D)	400-11.4(D)	600-7.8(D)
	6-800(D)	8-720(D)	12.5-480(D)	15-400(D)	20-304(D)	30-200(D)	40-152(D)	50-120(D)	60-100(D)	80-76(D)	100-60(D)	150-40(D)	300-20(D)	400-15.2(D)	600-10.4(D)
Voltage	6.000 V	8.000 V	12.50 V	15.00 V	20.00 V	30.00 V	40.00 V	50.00 V	60.00 V	80.00 V	100.0 V	150.0 V	300.0 V	400.0 V	600.0 V
Current	600.0 A	540.0 A	360.0 A	300.0 A	228.0 A	150.0 A	114.0 A	90.0 A	75.00 A	57.00 A	45.00 A	30.00 A	15.00 A	11.40 A	7.800 A
Power	3600 W	4320 W	4500 W	4500 W	4560 W	4500 W	4560 W	4500 W	4500 W	4560 W	4500 W	4500 W	4500 W	4560 W	4680 W
6kW 4U High	6-800(B)	8-720(B)	12.5-480(B)	15-400(B)	20-304(B)	30-200(B)	40-152(B)	50-120(B)	60-100(B)	80-76(B)	100-60(B)	150-40(B)	300-20(B)	400-15.2(B)	600-10.4(B)
	6-800(C)	8-720(C)	12.5-480(C)	15-400(C)	20-304(C)	30-200(C)	40-152(C)	50-120(C)	60-100(C)	80-76(C)	100-60(C)	150-40(C)	300-20(C)	400-15.2(C)	600-10.4(C)
	6-800(D)	8-720(D)	12.5-480(D)	15-400(D)	20-304(D)	30-200(D)	40-152(D)	50-120(D)	60-100(D)	80-76(D)	100-60(D)	150-40(D)	300-20(D)	400-15.2(D)	600-10.4(D)
	6-800(D)	8-720(D)	12.5-480(D)	15-400(D)	20-304(D)	30-200(D)	40-152(D)	50-120(D)	60-100(D)	80-76(D)	100-60(D)	150-40(D)	300-20(D)	400-15.2(D)	600-10.4(D)
Voltage	6.000 V	8.000 V	12.50 V	15.00 V	20.00 V	30.00 V	40.00 V	50.00 V	60.00 V	80.00 V	100.0 V	150.0 V	300.0 V	400.0 V	600.0 V
Current	800.0 A	720.0 A	480.0 A	400.0 A	304.0 A	200.0 A	152.0 A	120.0 A	100.0 A	76.0 A	60.00 A	40.00 A	20.00 A	15.20 A	10.40 A
Power	4800 W	5760 W	6000 W	6000 W	6080 W	6000 W	6080 W	6000 W	6000 W	6080 W	6000 W	6000 W	6000 W	6080 W	6240 W

Note: B: Input voltage 170~265VAC, single phase; C: Input voltage 180~253VAC, three-phase three-wire; D: Input voltage 360~440VAC, three-phase four-wire; No CE certificate.

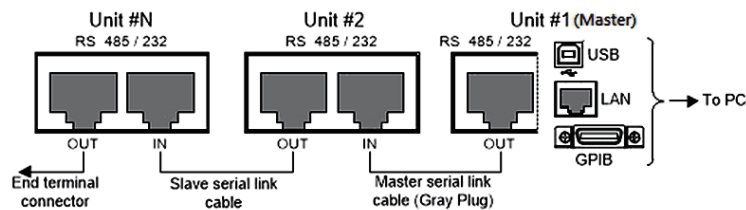
A. SERIES/PARALLEL OPERATION AND HIGH POWER DENSITY

Series Connection	1 unit	2 units
Height of sets	1U	2U
PSU 6-200	6V 200A	12V 200A
PSU 8-180	8V 180A	16V 180A
PSU 12.5-120	12.5V 120A	25V 120A
PSU 15-100	15V 100A	30V 100A
PSU 20-76	20V 76A	40V 76A
PSU 30-50	30V 50A	60V 50A
PSU 40-38	40V 38A	80V 38A
PSU 50-30	50V 30A	100V 30A
PSU 60-25	60V 25A	120V 25A
PSU 80-19	80V 19A	160V 19A
PSU 100-15	100V 15A	200V 15A
PSU 150-10	150V 10A	300V 10A
PSU 300-5	300V 5A	600V 5A
PSU 400-3.8	400V 3.8A	NA
PSU 600-2.6	600V 2.6A	NA

Series Parallel	1 unit	2 units	3 units	4 units
Height of sets	1U	2U	3U	4U
PSU 6-200	6V 200A	6V 400A	6V 600A	6V 800A
PSU 8-180	8V 180A	8V 360A	8V 540A	8V 720A
PSU 12.5-120	12.5V 120A	12.5V 240A	12.5V 360A	12.5V 480A
PSU 15-100	15V 100A	15V 200A	15V 300A	15V 400A
PSU 20-76	20V 76A	20V 152A	20V 228A	20V 304A
PSU 30-50	30V 50A	30V 100A	30V 150A	30V 200A
PSU 40-38	40V 38A	40V 76A	40V 114A	40V 152A
PSU 50-30	50V 30A	50V 60A	50V 90A	50V 120A
PSU 60-25	60V 25A	60V 50A	60V 75A	60V 100A
PSU 80-19	80V 19A	80V 38A	80V 57A	80V 76A
PSU 100-15	100V 15A	100V 30A	100V 45A	100V 60A
PSU 150-10	150V 10A	150V 20A	150V 30A	150V 40A
PSU 300-5	300V 5A	300V 10A	300V 15A	300V 20A
PSU 400-3.8	400V 3.8A	400V 7.6A	400V 11.4A	400V 15.2A
PSU 600-2.6	600V 2.6A	600V 5.2A	600V 7.8A	600V 10.4A

To augment output power, the PSU-series can realize two-fold rated power (models under 300V) via 2 same model units in series connection; and four-fold rated power via 4 same model units in parallel connection so as to satisfy customers with large voltage and large current requirements. 2U height units in series connection can achieve maximum 600V output. 4U height units in parallel connection can output maximum 800A and 6240W.

B. REMOTE PROGRAM CONTROL (UP TO 31 UNITS CONNECTION)

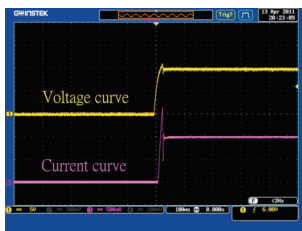


Provide RS-232, RS-485, USB, GPIB and LAN for PC to remote control Master PSU-Series. RJ-45 connector on the rear panel can connect up to 31 units.

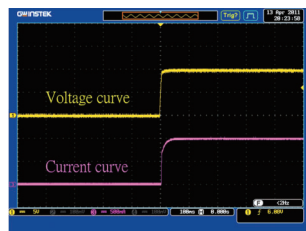
* For the detailed information please refer to User Manual

LAN or USB remote control and augmenting slave units by using PSU-Series multi-drop mode will no longer need any switch/hub that can help customers save equipment costs.

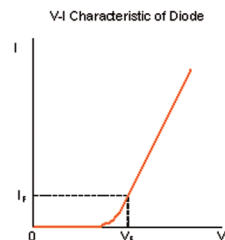
C. C.V/C.C PRIORITY MODE



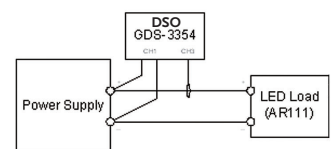
Under the conventional C.V mode, inrush current and surge voltage appeared at forward voltage (V_f) of LED.



Under C.C priority mode, inrush current and surge voltage are effectively restrained.



V-I Characteristic of Diode

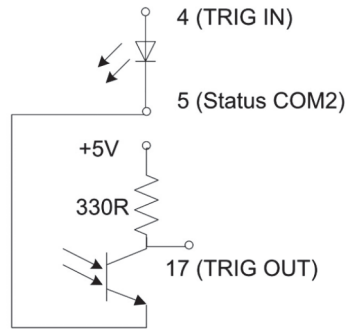


Using GDS-3354 DSO to Test LED Operation Under C.V Priority and C.C Priority Respectively

Conventional power supplies under the CV priority mode will produce inrush current and surge voltage at turn-on. The PSU-series has CV and CC priority modes.

The CC priority mode can prevent inrush current and surge voltage from occurring at turn-on to protect DUT.

G. TRIGGER CONTROL (TRIGGER INPUT/TRIGGER OUTPUT)



PSU-series provides users with complete trigger input and trigger output functions so as to flexibly control PSU-series. Each function is elaborated as follows.

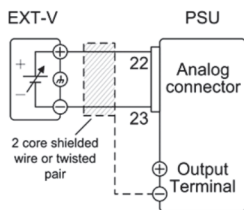
Trigger Input function :

1. Allow users to set the effective pulse width from 0~60ms for trigger input (0: the LOW or HIGH signal of DC level for trigger input)
2. Receive trigger input to control PSU-series output or to output preset voltage and current.
3. Receive trigger input to upload preset memory parameters.

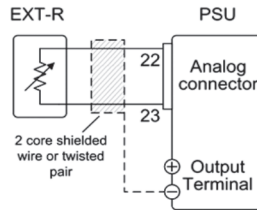
Trigger Output function :

1. Allow users to set the effective pulse width from 0~60ms for trigger output (0: the LOW or HIGH signal of DC level for trigger output)
2. Set LOW or HIGH for output DC level
3. PSU produces trigger output signal when setting output or changing preset value or uploading preset memory parameters.

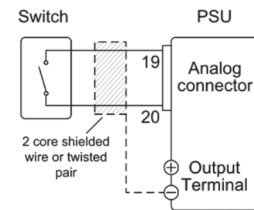
H. EXTERNAL ANALOG CONTROL FUNCTION



- Pin23 → EXT-V (-)
- Pin22 → EXT-V (+)
- Wire shield → negative (-) output terminal



- Pin22 → EXT-R
- Pin23 → EXT-R
- Wire shield → negative (-) output terminal



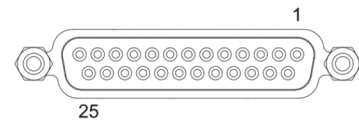
- Pin19 → Switch
- Pin20 → Switch
- Wire shield → negative (-) output terminal

External Voltage Controls Voltage Range

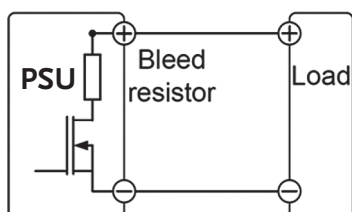
External Resistance Controls Voltage Range

External On-off to Control Output, on or off

The rear panel of the PSU-series has an analog control terminal. The external analog control interface allows external voltage or resistance to control voltage and current output; and allows power supply to output or to be turned on and off. The diagram on the upper shows typical connection methods for external control applications. For more detailed connection information please refers to user manual.



I. BLEEDER CONTROL

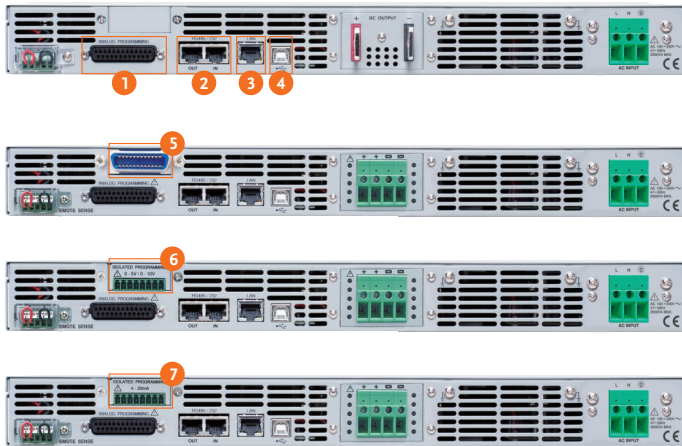


PSU-Series Built-in Bleed Resistor

The PSU-Series employs a bleed resistor in parallel with the output terminal. Bleed resistor is designed to dispatch the power from the power supply filter capacitors when power is turned off or the load is disconnected. Without a bleed resistor, power terminal may remain charged on the filter capacitors for some time and be potentially hazardous. In addition, bleed resistor also allows for smoother voltage regulation of the power supply as the bleed resistor acts as a minimum voltage load. The bleed resistance can be turned on or off using the configuration setting.

J.

VARIOUS INTERFACES SUPPORT



1. Analog Control Interface
2. RS485/RS232 Interface for Remote Control
3. LAN Port for System Communication
4. USB Interface for Remote Control
5. GPIB Interface for Remote Control
6. Isolated analog interface (voltage control card)
is not supported on 3kW~6kW models
7. Isolated analog interface (current control card)
is not supported on 3kW~6kW models

The PSU series comes standard with USB/LAN/RS-232C/RS-485 interfaces and optional GPIB to fully satisfy the interface requirements of different users. Users do not need to purchase additional adapter cards to use the PSU, and even users who use conventional RS-232

interfaces can easily use the instrument's built-in commands of competitors. For users who want to switch brands or upgrade to new instruments, there is no need to rewrite the program, as the commands are compatible.

K.

USING THE RACK MOUNT KIT

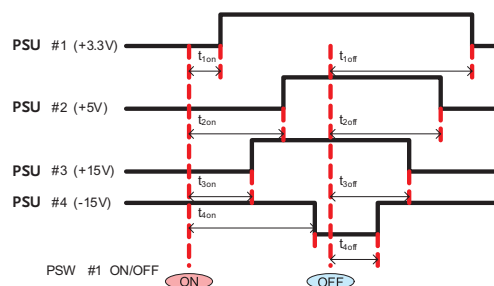


Rack Mount Kit for PSU-Series EIA & JIS

The rack mount kit of the PSU-Series supports both EIA and JIS standards. A standard rack can accommodate one unit of the PSU-Series.

L.

OUTPUT ON / OFF DELAY



The Example of Output On/Off Delay Control Among Multiple Outputs of the PSU Units

The Output On/Off delay feature enables the setting of a specific time delay for output on after the power supply output is turned on, and a specific time delay for output off after the power supply output is turned off. When multiple PSU units are used, the On/Off

delay time of each unit can be set respectively referring to fix time points. This multiple-output control can be done through the analog control terminal at rear panel or through the PC programming with standard commands.

PANEL INTRODUCTION

* 3kW ~ 6kW on CE



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

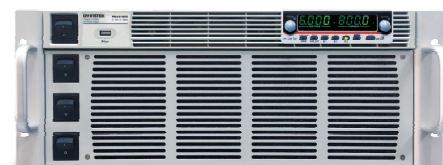
12. Option Slot for (Selection One of Three)
GPIB Interface Card/Isolate Voltage Remote
Control Card/Isolate Current Remote
Control Card
13. Remote Sense



PSU-3kW



PSU-4.5kW



PSU-6kW

SPECIFICATIONS																		
Model			PSU	6-200	8-180	12.5-120	15-100	20-76	30-50	40-38	50-30	60-25	80-19	100-15	150-10	300-5	400-3.8	600-2.6
Rated output voltage (*1)			V	6	8	12.5	15	20	30	40	50	60	80	100	150	300	400	600
Rated output current (*2)			A	200	180	120	100	76	50	38	30	25	19	15	10	5	3.8	2.6
Rated output power			W	1200	1440	1500	1500	1520	1500	1520	1500	1500	1520	1500	1500	1500	1520	1560
Constant Voltage Mode			PSU	6-200	8-180	12.5-120	15-100	20-76	30-50	40-38	50-30	60-25	80-19	100-15	150-10	300-5	400-3.8	600-2.6
Line regulation (*3)			mV	2.6	2.8	3.25	3.5	4	5	6	7	8	10	12	17	32	42	62
Load regulation (*4)			mV	2.6	2.8	3.25	3.5	4	5	6	7	8	10	12	17	32	42	62
Ripple and noise (*5)	p-p (*6)		mV	60	60	60	60	60	60	60	60	60	80	80	100	150	200	300
	r.m.s. (*7)		mV	8	8	8	8	8	8	8	8	8	8	8	10	25	40	60
Temperature coefficient			ppm/℃	100ppm/℃ after a 30 minute warm-up														
Remote snese compensation voltage (single wire)			V	1	1	1	1	1	1.5	2	2	3	4	5	5	5	5	5
Rise time (*8)	Rated load		ms	80	80	80	80	80	80	80	80	80	150	150	150	150	200	250
	No load		ms	80	80	80	80	80	80	80	80	80	150	150	150	150	200	250
Fall time (*9)	Rated load		ms	10	50	50	50	50	80	80	80	80	150	150	150	150	200	250
	No load		ms	500	600	700	700	800	900	1000	1100	1100	1200	1500	2000	2500	3000	4000
Transient response time (*10)			ms	1.5	1.5	1	1	1	1	1	1	1	1	1	2	2	2	2
Constant Current Mode			PSU	6-200	8-180	12.5-120	15-100	20-76	30-50	40-38	50-30	60-25	80-19	100-15	150-10	300-5	400-3.8	600-2.6
Line regulation (*3)			mA	22	20	14	12	9.6	7	5.8	5	4.5	3.9	3.5	3	2.5	2.38	2.26
Load regulation (*11)			mA	45	41	29	25	20.2	15	12.6	11	10	8.8	8	7	6	5.76	5.52
Ripple and noise (*12)		r.m.s.	mA	400	360	240	200	152	125	95	85	75	57	45	35	25	17	12
Temperature coefficient			ppm/℃	100ppm/℃ after a 30 minute warm-up														
Protection Function			PSU	6-200	8-180	12.5-120	15-100	20-76	30-50	40-38	50-30	60-25	80-19	100-15	150-10	300-5	400-3.8	600-2.6
Over voltage protection (OVP)	Setting range		V	0.6 - 6.6	0.8-8.8	1.25 - 13.75	1.5 - 16.5	2 - 22	3 - 33	4 - 44	5 - 55	5 - 66	5 - 88	5 - 110	5 - 165	5 - 330	5 - 440	5 - 660
	Setting accuracy		mV	60	80	125	150	200	300	400	500	600	800	1000	1500	3000	4000	6000
Over current protection (OCP)	Setting range		A	5 - 220	5-198	5 - 132	5 - 110	5 - 83.6	5 - 55	3.8 - 41.8	3 - 33	2.5 - 27.5	1.9 - 20.9	1.5 - 16.5	1 - 11	0.5 - 5.5	0.38 - 4.18	0.26 - 2.86
	Setting accuracy		mA	4000	3600	2400	2000	1520	1000	760	600	500	380	300	200	100	76	52
Under voltage limit (UVL)	Setting range			0 - 6.3</														

(1) Time for output from δ_1 to receive minimum δ_2 of its rated output for a load when δ_2 runs at 25% of its rated output and δ_1 set point from 10% to 100% of rated output

(*) 14) If install the front panel filter kit, the temperature is guaranteed to 40 °C.

SPECIFICATIONS																		
Model			PSU	6-400	8-360	12.5-240	15-200	20-152	30-100	40-76	50-60	60-50	80-38	100-30	150-20	300-10	400-7.6	600-5.2
Rated output voltage (*1)			V	6	8	12.5	15	20	30	40	50	60	80	100	150	300	400	600
Rated output current (*2)			A	400	360	240	200	152	100	76	60	50	38	30	20	10	7.6	5.2
Rated output power			W	2400	2880	3000	3000	3040	3000	3040	3000	3000	3040	3000	3000	3000	3040	3120
Constant Voltage Mode			PSU	6-400	8-360	12.5-240	15-200	20-152	30-100	40-76	50-60	60-50	80-38	100-30	150-20	300-10	400-7.6	600-5.2
Line regulation (*3)			mV	0.01% of rated output voltage +2mV														
Load regulation (*4)			mV	0.01% of rated output voltage +5mV														
Ripple and noise (*5)			mV	75	75	75	75	75	75	75	75	75	100	100	120	300	300	500
	p-p (*6)		mV	75	75	75	75	75	75	75	75	75	100	100	120	300	300	500
			r.m.s. (*7)	mV	10	10	10	10	10	10	10	10	15	15	25	35	35	120
Temperature coefficient			ppm/°C	100ppm/°C after a 30 minute warm-up														
Temperature stability				0.05% of rated output voltage over 8hrs interval following 30 minutes warm-up. Constant line, load & temp.														
Warm-up drift				Less than 0.05% of rated output voltage +2mV over 30 minutes following power on.														
Remote sense compensation voltage (single wire)			V	1	1	1	1	1	1.5	2	2	3	4	5	5	5	5	5
Rise time (*8)		No load	ms	80	80	80	80	80	80	80	80	80	150	150	150	150	200	250
Fall time (*9)		Rated load	ms	10	50	50	50	50	80	80	80	80	150	150	150	150	200	250
		No load	ms	500	600	700	700	800	900	1000	1100	1100	1200	1500	2000	2500	3000	4000
Transient response time (*10)			ms	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Constant Current Mode			PSU	6-400	8-360	12.5-240	15-200	20-152	30-100	40-76	50-60	60-50	80-38	100-30	150-20	300-10	400-7.6	600-5.2
Line regulation (*3)			mA	0.05% of rated output current														
Load regulation (*11)			mA	0.5% of rated output current										1% of rated output current				
Load regulation thermal drift				Less than 0.1% of rated output current over 30 minutes following load change.														
Ripple and noise (*12)		r.m.s.	mA	850	800	650	590	520	290	185	137	107	85	69	58	30	20	15
Temperature coefficient			ppm/°C	100ppm/°C after a 30 minute warm-up														
Temperature stability				0.05% of rated output current over 8hrs interval following 30 minutes warm-up. Constant line, load & temp.														
Warm-up drift				6-15V model : Less than 0.5% rated output current over 30 minutes following power on ; 20-600V model : Less than 0.25% rated output current over 30 minutes following power on.														
Protection Function			PSU	6-400	8-360	12.5-240	15-200	20-152	30-100	40-76	50-60	60-50	80-38	100-30	150-20	300-10	400-7.6	600-5.2
Over voltage protection (OVP)		Setting range	V	0.6 - 6.6	0.8-8.8	1.25 - 13.75	1.5 - 16.5	2 - 22	3 - 33	4 - 44	5 - 55	5 - 66	5 - 88	5 - 110	5 - 165	5 - 330	5 - 440	5 - 660
		Setting accuracy	mV	60	80	125	150	200	300	400	500	600	800	1000	1500	3000	4000	6000
Over current protection (OCP)		Setting range	A	5 - 440	5-396	5 - 262	5 - 220	5 - 167.2	5 - 110	5 - 83.6	5 - 66	5 - 55	3.8 - 41.8	3 - 33	2 - 22	1 - 11	0.76 - 8.36	0.52 - 5.72
		Setting accuracy	A	8	7.2	4.8	4	3.04	2	1.52	1.2	1	0.76	0.6	0.4	0.2	0.152	0.104
Under voltage limit (UVL)		Setting range		0 - 6.3	0 - 8.4	0 - 13.12	0 - 15.75	0 - 21	0 - 31.5	0 - 42	0 - 52.5	0 - 63	0 - 84	0 - 105	0 - 157.5	0 - 315	0 - 420	0 - 630
Over temperature protection (OHP)		Operation		Turn the output off.														
Incorrect sensing connection protection (SENSE)		Operation		Turn the output off.														
Low AC input protection (AC-FAIL)		Operation		Turn the output off.														
Shutdown (SD)		Operation		Turn the output off.														
Power limit (POWER LIMIT)		Operation		Over power limit.														
		Value (fixed)		Approx. 105% of rated output power														
Front Panel			PSU	6-400	8-360	12.5-240	15-200	20-152	30-100	40-76	50-60	60-50	80-38	100-30	150-20	300-10	400-7.6	600-5.2
Display, 4 digits	Voltage accuracy	0.1% +	mV	12	16	25	30	40	60	80	100	120	160	200	300	600	800	1200
		Current accuracy	0.2% +	mA	1200	1080	720	600	456	300	228	180	150	114	90	60	30	22.8
Indications				GREEN LED's: CV, CC, V, A, VSR, ISR, DLY, RMT, LAN, M1, M2, M3, RUN, Output ON; RED LED's: ALM, ERR														
Buttons				Lock/Local(Unlock), PROT(ALM_CLR), Function(M1), Test(M2), Set(M3), Shift, Output														
Knobs				Voltage, Current														
USB port				Type A USB connector														
Programming and Measurement (RS-232/485, USB, LAN, GPIB)			PSU	6-400	8-360	12.5-240	15-200	20-152	30-100	40-76	50-60	60-50	80-38	100-30	150-20	300-10	400-7.6	600-5.2
Output voltage programming accuracy		0.05% +	mV	3	4	6.25	7.5	10	15	20	25	30	40	50	75	150	200	300
Output current programming accuracy		0.2% +	mA	400	360	240	200	152	100	76	60	50	38	30	20	10	7.6	5.2
Output voltage programming resolution			mV	0.2	0.27	0.4	0.5	0.7	1	1.3	1.7	2	2.7	3.4	5.2	10.2	13.6	20.4
Output current programming resolution			mA	12	12	8	6.6	5	3.4	2.4	2	1.6	1.3	1	0.68	0.38	0.26	0.18
Output voltage measurement accuracy		0.1% +	mV	6	8	12.5	15	20	30	40	50	60	80	100	150	300	400	600
Output current measurement accuracy		0.2% +	mA	800	720	480	400	304	200	152	120	100	76	60	40	20	15.2	10.4
Output voltage measurement resolution			mV	0.2	0.27	0.4	0.5	0.7	1	1.3	1.7	2	2.7	3.4	5.2	10.2	13.6	20.4
Output current measurement resolution			mA	12	12	8	6.6	5	3.4	2.4	2	1.6	1.3	1	0.68	0.38	0.26	0.18
Input Characteristics			PSU	6-400	8-360	12.5-240	15-200	20-152	30-100	40-76	50-60	60-50	80-38	100-30	150-20	300-10	400-7.6	600-5.2
Normal input rating				B type : 1P2W 200V models														
Input voltage range				B type : 1P2W 170 – 265Vac														
Input frequency range				47Hz ~ 63Hz														
Maximum input current	200Vac		A	B type : 22A														
Inrush current				B type : 1P2W 200V models Less than 100A.														
Power factor	200Vac			0.98 @1 Phase 200Vac														
Efficiency (*13)		%		78.5	81	85	85	86	86	87	87	87	87	87	87	87	87	87
Hold-up time				20ms or greater														
Interface Capabilities			PSU	6-400	8-360	12.5-240	15-200	20-152	30-100	40-76	50-60	60-50	80-38	100-30	150-20	300-10	400-7.6	600-5.2
USB				TypeA : Host, TypeB : Slave, Speed: 1.1/2.0, USB Class : CDC(Communications Device Class)														
LAN				MAC Address, DNS IP Address, User Password, Gateway IP Address, Instrument IP Address, Subnet Mask														
RS-232 / RS-485				Complies with the EIA232D / EIA485 Specifications														
GPIB (Factory Option)				SCPI - 1993, IEEE 488.2 compliant interface														
Environmental Conditions			PSU	6-400	8-360	12.5-240	15-200	20-152	30-100	40-76	50-60	60-50	80-38	100-30	150-20	300-10	400-7.6	600-5.2
Operating temperature				0 °C ~ 50 °C (*14)														
Storage temperature				-25 °C ~ 70 °C														
Operating humidity				20% ~ 85% RH; No condensation														
Storage humidity				90% RH or less; No condensation														
Altitude				Maximum 2000m														
General Specifications			PSU	6-400	8-360	12.5-240	15-200	20-152	30-100	40-76	50-60	60-50	80-38	100-30	150-20	300-10	400-7.6	600-5.2
Weight	main unit only	kg		Less than 20kg														
Dimensions	(W×H×D)	mm		423 × 87.2 × 447.2														
Cooling				Forced air cooling by internal fan.														
Withstand voltage				AC to Chassis:500Vac/1min; AC to Output terminal:3000Vac/1min; Vout≤150V; Output terminal to Chassis:1000Vdc/1min; 150<Vout≤600; Output terminal to Chassis: 1500Vdc/1min														
Insulation resistance				Chassis and output terminal; chassis and AC input; AC input and output terminal: 100MΩ or more (DC 1000V)														

SPECIFICATIONS

Model		PSU	6-600	8-540	12.5-360	15-300	20-228	30-150	40-114	50-90	60-75	80-57	100-45	150-30	300-15	400-11.4	600-7.8
Rated output voltage ^(#1)		V	6	8	12.5	15	20	30	40	50	60	80	100	150	300	400	600
Rated output current ^(#2)		A	600	540	360	300	228	150	114	90	75	57	45	30	15	11.4	7.8
Rated output power		W	3600	4320	4500	4500	4560	4500	4560	4500	4500	4560	4500	4500	4500	4560	4680
Constant Voltage Mode		PSU	6-600	8-540	12.5-360	15-300	20-228	30-150	40-114	50-90	60-75	80-57	100-45	150-30	300-15	400-11.4	600-7.8
Line regulation ^(#3)		mV	0.01% of rated output voltage +2mV														
Load regulation ^(#4)		mV	0.01% of rated output voltage +5mV														
Ripple and noise ^(#5)	p-p ^(#6)	mV	75	75	75	75	75	75	75	75	100	100	120	300	300	500	
	r.m.s. ^(#7)	mV	10	10	10	10	10	10	10	10	10	15	15	25	35	35	120
Temperature coefficient		ppm/°C	100ppm/°C after a 30 minute warm-up														
Temperature stability			0.05% of rated output voltage over 8hrs interval following 30 minutes warm-up. Constant line, load & temp.														
Warm-up drift			Less than 0.05% of rated output voltage +2mV over 30 minutes following power on.														
Remote sense compensation voltage (single wire)		V	1	1	1	1	1	1.5	2	2	3	4	5	5	5	5	5
Rise time ^(#8)	No load	ms	80	80	80	80	80	80	80	80	150	150	150	150	200	250	
Fall time ^(#9)	Rated load	ms	10	50	50	50	50	80	80	80	150	150	150	150	200	250	
	No load	ms	500	600	700	700	800	900	1000	1100	1100	1200	1500	2000	2500	3000	4000
Transient response time ^(#10)		ms	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Constant Current Mode		PSU	6-600	8-540	12.5-360	15-300	20-228	30-150	40-114	50-90	60-75	80-57	100-45	150-30	300-15	400-11.4	600-7.8
Line regulation ^(#3)		mA	0.1% of rated output curr 0.05% of rated output current														
Load regulation ^(#11)		mA	0.5% of rated output current										1% of rated output current				
Load regulation thermal drift			Less than 0.1% of rated output current over 30 minutes following load change.														
Ripple and noise ^(#12)	r.m.s.	mA	1400	1315	1060	987	900	472	275	191	138	110	92	81	30	20	15
Temperature coefficient		ppm/°C	100ppm/°C after a 30 minute warm-up														
Temperature stability			0.05% of rated output current over 8hrs interval following 30 minutes warm-up. Constant line, load & temp.														
Warm-up drift			6-15V model : Less than 0.5% rated output current over 30 minutes following power on.														
			20-600V model : Less than 0.25% rated output current over 30 minutes following power on.														
Protection Function		PSU	6-600	8-540	12.5-360	15-300	20-228	30-150	40-114	50-90	60-75	80-57	100-45	150-30	300-15	400-11.4	600-7.8
Over voltage protection (OVP)	Setting range	V	0.6 - 6.6	0.8-8.8	1.25 - 13.75	1.5 - 16.5	2 - 22	3 - 33	4 - 44	5 - 55	5 - 66	5 - 88	5 - 110	5 - 165	5 - 330	5 - 440	5 - 660
	Setting accuracy	mV	60	80	125	150	200	300	400	500	600	800	1000	1500	3000	4000	6000
Over current protection (OCP)	Setting range	A	5 - 660	5-594	5 - 396	5 - 330	5 - 250.8	5 - 165	5 - 125.4	5 - 99	5 - 82.5	5 - 62.7	4.5 - 49.5	3 - 33	1.5 - 16.5	1.14 - 12.54	0.78 - 8.58
	Setting accuracy	A	12	10.8	7.2	6	4.56	3	2.28	1.8	1.5	1.04	0.9	0.6	0.3	0.228	0.156
Under voltage limit (UVL)	Setting range		0 - 6.3	0 - 8.4	0 - 13.12	0 - 15.75	0 - 21	0 - 31.5	0 - 42	0 - 52.5	0 - 63	0 - 84	0 - 105	0 - 157.5	0 - 315	0 - 420	0 - 630
Over temperature protection (OHP)	Operation		Turn the output off.														
Incorrect sensing connection protection (SENSE)	Operation		Turn the output off.														
Low AC input protection (AC-FAIL)	Operation		Turn the output off.														
Shutdown (SD)	Operation		Turn the output off.														
Power limit (POWER LIMIT)	Operation		Over power limit.														
	Value (fixed)		Approx. 105% of rated output power														
Front Panel		PSU	6-600	8-540	12.5-360	15-300	20-228	30-150	40-114	50-90	60-75	80-57	100-45	150-30	300-15	400-11.4	600-7.8
Display, 4 digits	Voltage accuracy	0.1% +	mV	12	16	25	30	40	60	80	100	120	160	200	300	600	1200
	Current accuracy	0.2% +	mA	1800	1620	1080	900	684	450	342	270	225	171	135	90	45	23.4
Indications			GREEN LED's: CV, CC, V, A, VSR, ISR, DLY, RMT, LAN, M1, M2, M3, RUN, Output ON; RED LED's: ALM, ERR														
Buttons			Lock/Local(Unlock), PROT(ALM_CLR), Function(M1), Test(M2), Set(M3), Shift, Output														
Knobs			Voltage, Current														
USB port			Type A USB connector														
Programming and Measurement (RS-232/485, USB, LAN, GPIB)		PSU	6-600	8-540	12.5-360	15-300	20-228	30-150	40-114	50-90	60-75	80-57	100-45	150-30	300-15	400-11.4	600-7.8
Output voltage programming accuracy	0.05% +	mV	3	4	6.25	7.5	10	15	20	25	30	40	50	75	150	200	300
Output current programming accuracy	0.2% +	mA	600	540	360	300	228	150	114	90	75	57	45	30	15	11.4	7.8
Output voltage programming resolution		mV	0.2	0.27	0.4	0.5	0.7	1	1.3	1.7	2	2.7	3.4	5.2	10.2	13.6	20.4
Output current programming resolution		mA	18	18	12	9.9	7.5	5.1	3.6	3	2.4	1.95	1.5	1.02	0.57	0.39	0.27
Output voltage measurement accuracy	0.1% +	mV	6	8	12.5	15	20	30	40	50	60	80	100	150	300	400	600
Output current measurement accuracy	0.2% +	mA	1200	1080	720	600	456	300	228	180	150	114	90	60	30	22.8	15.6
Output voltage measurement resolution		mV	0.2	0.27	0.4	0.5	0.7	1	1.3	1.7	2	2.7	3.4	5.2	10.2	13.6	20.4
Output current measurement resolution		mA	18	18	12	9.9	7.5	5.1	3.6	3	2.4	1.95	1.5	1.02	0.57	0.39	0.27
Input Characteristics		PSU	6-600	8-540	12.5-360	15-300	20-228	30-150	40-114	50-90	60-75	80-57	100-45	150-30	300-15	400-11.4	600-7.8
Normalinl input rating			B type : 1P2W 200V models, C type : 3P3W 200V models, D type : 3P4W 400V models														
Input voltage range			B type : 1P2W 170 ~ 265Vac, C type : 3P3W 180 ~ 253Vac, D type : 3P4W 360 ~ 440Vac														
Input frequency range			47Hz ~ 63Hz														
Maximum input current	200Vac / 400Vac	A	B type : 33A · C type : 19A · D type 11A														
Inrush current			B type : 1P2W 200V models Less than 150A; C type : 3P3W 200V model Less than 100A; D type : 3P4W 400V model Less than 50A.														
Power factor	200Vac / 400Vac		0.98 @1 Phase 200Vac / 0.95 @ 3 Phase 200/400Vac														
Efficiency ^(#13)		%	78.5	81	85	85	86	86	87	87	87	87	87	87	87	87	87
Hold-up time			20ms or greater														
Interface Capabilities		PSU	6-600	8-540	12.5-360	15-300	20-228	30-150	40-114	50-90	60-75	80-57	100-45	150-30	300-15	400-11.4	600-7.8
USB			TypeA: Host, TypeB : Slave, Speed: 1.1/2.0, USB Class : CDC(Communications Device Class)														
LAN			MAC Address, DNS IP Address, User Password, Gateway IP Address, Instrument IP Address, Subnet Mask														
RS-232 / RS-485			Complies with the EIA232D / EIA485 Specifications														
GPIB (Factory Option)			SCPI - 1993, IEEE 488.2 compliant interface														
Environmental Conditions		PSU	6-600	8-540	12.5-360	15-300	20-228	30-150	40-114	50-90	60-75	80-57	100-45	150-30	300-15	400-11.4	600-7.8
Operaing temperature			0 °C ~ 50 °C ^(#14)														
Storage temperature			-25 °C ~ 70 °C														
Operating humidity			20% ~ 85% RH; No condensation														
Storage humidity			90% RH or less; No condensation														
Altitude			Maximum 2000m														
General Specifications		PSU	6-600	8-540	12.5-360	15-300	20-228	30-150	40-114	50-90	60-75	80-57	100-45	150-30	300-15	400-11.4	600-7.8
Weight	main unit only	kg	Less than 28.7kg														
Dimensions	(W×H×D)	mm	423 × 130.8 × 447.2														
Cooling			Forced air cooling by internal fan.														
Withstand voltage			AC to Chassis : 1500Vac/1min; AC to Output terminal : 3000Vac/1min; Vout≤ 150V;Output terminal to Chassis:1000Vdc/1min; 150<Vout≤ 600; Output terminal to Chassis:1500Vdc/1min														
Insulation resistance			Chassis and output terminal; chassis and AC input; AC input and output terminal: 100MΩ or more (DC 1000V)														

SPECIFICATIONS

Model		PSU	6-800	8-720	12.5-480	15-400	20-304	30-200	40-152	50-120	60-100	80-76	100-60	150-40	300-20	400-15.2	600-10.4
Rated output voltage ^(#1)		V	6	8	12.5	15	20	30	40	50	60	80	100	150	300	400	600
Rated output current ^(#2)		A	800	720	480	400	304	200	152	120	100	76	60	40	20	15.2	10.4
Rated output power		W	4800	5760	6000	6000	6080	6000	6080	6000	6000	6080	6000	6000	6000	6080	6240
Constant Voltage Mode		PSU	6-800	8-720	12.5-480	15-400	20-304	30-200	40-152	50-120	60-100	80-76	100-60	150-40	300-20	400-15.2	600-10.4
Line regulation ^(#3)		mV	0.01% of rated output voltage +2mV														
Load regulation ^(#4)		mV	0.01% of rated output voltage +5mV														
Ripple and noise ^(#5)	p-p ^(#6)	mV	75	75	75	75	75	75	75	75	75	100	100	120	300	300	500
	r.m.s. ^(#7)	mV	10	10	10	10	10	10	10	10	10	15	15	25	35	35	120
Temperature coefficient		ppm/°C	100ppm/°C after a 30 minute warm-up														
Temperature stability			0.05% of rated output voltage over 8hrs interval following 30 minutes warm-up. Constant line, load & temp.														
Warm-up drift			Less than 0.05% of rated output voltage +2mV over 30 minutes following power on.														
Remote sense compensation voltage (single wire)		V	1	1	1	1	1	1.5	2	2	3	4	5	5	5	5	5
Rise time ^(#8)	No load	ms	80	80	80	80	80	80	80	80	80	150	150	150	150	200	250
Fall time ^(#9)	Rated load	ms	10	50	50	50	50	80	80	80	80	150	150	150	150	200	250
	No load	ms	500	600	700	700	800	900	1000	1100	1100	1200	1500	2000	2500	3000	4000
Transient response time ^(#10)		ms	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
Constant Current Mode		PSU	6-800	8-720	12.5-480	15-400	20-304	30-200	40-152	50-120	60-100	80-76	100-60	150-40	300-20	400-15.2	600-10.4
Line regulation ^(#3)		mA	0.1% of rated output current				0.05% of rated output current										
Load regulation ^(#11)		mA	0.5% of rated output current										1% of rated output current				
Load regulation thermal drift			Less than 0.1% of rated output current over 30 minutes following load change.														
Ripple and noise ^(#12)	r.m.s.	mA	2000	1900	1500	1390	1250	650	365	245	170	140	116	104	30	20	15
Temperature coefficient		ppm/°C	100ppm/°C after a 30 minute warm-up														
Temperature stability			0.05% of rated output current over 8hrs interval following 30 minutes warm-up. Constant line, load & temp.														
Warm-up drift			6-15V model : Less than 0.5% rated output current over 30 minutes following power on. 20-600V model : Less than 0.25% rated output current over 30 minutes following power on.														
Protection Function		PSU	6-800	8-720	12.5-480	15-400	20-304	30-200	40-152	50-120	60-100	80-76	100-60	150-40	300-20	400-15.2	600-10.4
Over voltage protection (OVP)	Setting range	V	0.6 - 6.6	0.8 - 8.8	1.25 - 13.75	1.5 - 16.5	2 - 22	3 - 33	4 - 44	5 - 55	5 - 66	5 - 88	5 - 110	5 - 165	5 - 330	5 - 440	5 - 660
	Setting accuracy	mV	60	80	125	150	200	300	400	500	600	800	1000	1500	3000	4000	6000
Over current protection (OCP)	Setting range	A	5 - 880	5 - 792	5 - 528	5 - 440	5 - 334.4	5 - 220	5 - 167.2	5 - 132	5 - 110	5 - 83.6	5 - 66	4 - 44	2 - 22	1.52 - 16.72	1.04 - 11.44
	Setting accuracy	A	16	14.4	9.6	8	6.08	4	3.04	2.4	2	1.52	1.2	0.8	0.4	0.304	0.208
Under voltage limit (UVL)	Setting range		0 - 6.3	0 - 8.4	0 - 13.12	0 - 15.75	0 - 21	0 - 31.5	0 - 42	0 - 52.5	0 - 63	0 - 84	0 - 105	0 - 157.5	0 - 315	0 - 420	0 - 630
Over temperature protection (OHP)	Operation		Turn the output off.														
Incorrect sensing connection protection (SENSE)	Operation		Turn the output off.														
Low AC input protection (AC-FAIL)	Operation		Turn the output off.														
Shutdown (SD)	Operation		Turn the output off.														
Power limit (POWER LIMIT)	Operation		Over power limit.														
	Value (fixed)		Approx. 105% of rated output power														
Front Panel		PSU	6-800	8-720	12.5-480	15-400	20-304	30-200	40-152	50-120	60-100	80-76	100-60	150-40	300-20	400-15.2	600-10.4
Display, 4 digits	Voltage accuracy	0.1% +	mV	12	16	25	30	40	60	80	100	120	160	200	300	600	1200
	Current accuracy	0.2% +	mA	2400	2160	1440	1200	912	600	456	360	300	228	180	120	60	45.6
Indications			GREEN LED's: CV, CC, V, A, VSR, ISR, DLY, RMT, LAN, M1, M2, M3, RUN, Output ON; RED LED's: ALM, ERR														
Buttons			Lock/Local(Unlock), PROT(ALM_CLR), Function(M1), Test(M2), Set(M3), Shift, Output														
Knobs			Voltage, Current														
USB port			Type A USB connector														
Programming and Measurement (RS-232/485, USB, LAN, GPIB)		PSU	6-800	8-720	12.5-480	15-400	20-304	30-200	40-152	50-120	60-100	80-76	100-60	150-40	300-20	400-15.2	600-10.4
Output voltage programming accuracy	0.05% +	mV	3	4	6.25	7.5	10	15	20	25	30	40	50	75	150	200	300
Output current programming accuracy	0.2% +	mA	800	720	480	400	304	200	152	120	100	76	60	40	20	15.2	10.4
Output voltage programming resolution		mV	0.2	0.27	0.4	0.5	0.7	1	1.3	1.7	2	2.7	3.4	5.2	10.2	13.6	20.4
Output current programming resolution		mA	24	24	16	13.2	10	6.8	4.8	4	3.2	2.6	2	1.36	0.76	0.52	0.36
Output voltage measurement accuracy	0.1% +	mV	6	8	12.5	15	20	30	40	50	60	80	100	150	300	400	600
Output current measurement accuracy	0.2% +	mA	1600	1440	960	800	608	400	304	240	200	152	120	80	40	30.4	20.8
Output voltage measurement resolution		mV	0.2	0.27	0.4	0.5	0.7	1	1.3	1.7	2	2.7	3.4	5.2	10.2	13.6	20.4
Output current measurement resolution		mA	24	24	16	13.2	10	6.8	4.8	4	3.2	2.6	2	1.36	0.76	0.52	0.36
Input Characteristics		PSU	6-800	8-720	12.5-480	15-400	20-304	30-200	40-152	50-120	60-100	80-76	100-60	150-40	300-20	400-15.2	600-10.4
Normalinl input rating			B type : 1P2W 200V models, C type : 3P3W 200V models, D type : 3P4W 400V models														
Input voltage range			B type : 1P2W 170 ~ 265Vac, C type : 3P3W 180 ~ 253Vac, D type : 3P4W 360 ~ 440Vac														
Input frequency range			47Hz ~ 63Hz														
Maximum input current	200Vac / 400Vac	A	B type : 44A, C type : 29A, D type 22A														
Inrush current			B type : 1P2W 200V models Less than 200A; C type : 3P3W 200V model Less than 100A; D type : 3P4W 400V model Less than 100A.														
Power factor	200Vac / 400Vac		0.98 @1 Phase 200Vac / 0.95 @ 3 Phase 200/400Vac														
Efficiency ^(#13)		%	78.5	81	85	85	86	86	87	87	87	87	87	87	87	87	87
Hold-up time			20ms or greater														
Interface Capabilities		PSU	6-800	8-720	12.5-480	15-400	20-304	30-200	40-152	50-120	60-100	80-76	100-60	150-40	300-20	400-15.2	600-10.4
USB			TypeA: Host, TypeB: Slave, Speed: 1.1/2.0, USB Class: CDC(Communications Device Class)														
LAN			MAC Address, DNS IP Address, User Password, Gateway IP Address, Instrument IP Address, Subnet Mask														
RS-232 / RS-485			Complies with the EIA232D / EIA485 Specifications														
GPIB (Factory Option)			SCPI - 1993, IEEE 488.2 compliant interface														
Environmental Conditions		PSU	6-800	8-720	12.5-480	15-400	20-304	30-200	40-152	50-120	60-100	80-76	100-60	150-40	300-20	400-15.2	600-10.4
Operating temperature			0 °C ~ 50 °C ^(#14)														
Storage temperature			-25 °C ~ 70 °C														
Operating humidity			20% ~ 85% RH; No condensation														
Storage humidity			90% RH or less; No condensation														
Altitude			Maximum 2000m														
General Specifications		PSU	6-800	8-720	12.5-480	15-400	20-304	30-200	40-152	50-120	60-100	80-76	100-60	150-40	300-20	400-15.2	600-10.4
Weight	main unit only	kg	Less than 37.4kg														
Dimensions	(W×H×D)	mm	423 × 174.4 × 447.2														
Cooling			Forced air cooling by internal fan.														
Withstand voltage			AC to Chassis : 1500Vac/1min; AC to Output terminal : 3000Vac/1min; Vout≤ 150V; Output terminal to Chassis:1000Vdc/1min; 150<Vout≤ 600; Output terminal to Chassis:1500Vdc/1min														
Insulation resistance			Chassis and output terminal; chassis and AC input; AC input and output terminal: 100MΩ or more (DC 1000V)														

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	1500W	Programmable Switching DC Power Supply
PSU 300-5	1500W	Programmable Switching DC Power Supply
PSU 400-3.8	1520W	Programmable Switching DC Power Supply
PSU 600-2.6	1560W	Programmable Switching DC Power Supply

ACCESSORIES

CD-ROM x 1 (User Manual, Programming Manual), Output terminal cover x 1, Analog connector plug kit x1, 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

OPTIONAL ACCESSORIES

PSU-01B	Bus Bar for 2 units in parallel operation (Applies to models ≤60 volts)		
PSU-01C	Cable for 2 units in parallel connection		
PSU-02B	Bus Bar for 3 units in parallel operation (Applies to models ≤60 volts)		
PSU-02C	Cable for 3 units in parallel connection		
PSU-03B	Bus Bar for 4 units in parallel operation (Applies to models ≤60 volts)		
PSU-03C	Cable for 4 units in parallel connection	GTL-246	USB Cable, USB 2.0A-B Type Cable, 4P
PSU-232	RS232 Cable with DB9 connector kit		
PSU-485	RS485 Cable with DB9 connector kit	GTL-259	RS-232 Cable with DB9 connector to RJ45
PSU-001	Front panel filter kit(factory Installed)	GTL-260	RS-485 Cable with DB9 connector to RJ45
GRM-001	Slide bracket 2pcs/set ,PSU option		
GPW-001	UL/CSA power cord 3m ,PSU option	GTL-262	RS-485 Slave cable
GPW-002	VDE power cord 3m, PSU option	GTL-261	Serial Master Cable+ Terminator, 0.5M
GPW-003	PSE power cord 3m, PSU option		
PSU-GPIB	GPIB Interface card (factory option)		
PSU-ISO-I	Isolate current remote control card(factory option)		
PSU-ISO-V	Isolate voltage remote control card(factory option)		
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		

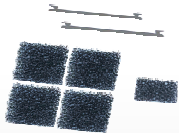
FREE DOWNLOAD

Driver LabView Driver

Specifications subject to change without notice. PSU-SeriesGD2BH

OPTIONAL ASSESSORIES

PSU-001



PSU-01C



PSU-02C



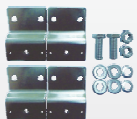
GPW-001



PSU-01A



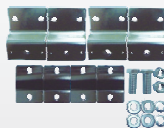
PSU-01B



PSU-232



PSU-03B



GPW-002



PSU-02A



PSU-02B



PSU-485



PSU-03C



GPW-003



PSU-03A



GRM-001



GTL-259



GTL-260



GTL-261



GTL-262



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