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.

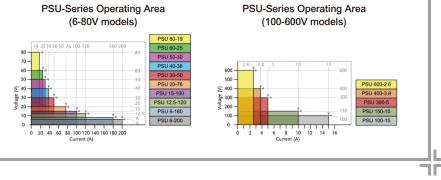
The PSU-HV series is ideal for the primary input of DC/DC converter and servomotor production application. PSU is often integrated into component test systems such as aging test equipment for capacitors; 600V DC bias applications; aging test equipment for diode; semiconductor production equipment; automotive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

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



PSU-Series

MODEL	PSU 6-200	PSU 8-180	PSU 12.5-120	PSU 15-100	PSU 20-76	PSU 30-50	PSU 40-38	PSU 50-3
OUTPUT RATINGS	I							
Rated Output Voltage (*1)	6V	8V	12.5V	15V	20V	30V	40V	50V
Rated Output Current (*2) Rated Output Power	200A 1200W	180A 1440W	120A 1500W	100A 1500W	76A 1520W	50A 1500W	38A 1520W	30A 1500W
RIPPLE AND NOISE(*5)	.20011				152011	150011	152011	
СVp-p(10 ~ 20МНz) 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
	26.14	2.0. \/	2.25 1/	25.14	4 14	5 1/	<i>c</i>)/	7.14
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
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 MC								
External Voltage Control Output Voltage External Voltage Control Output Current			rated output volta					
External Resistor Control Output Voltage	Accuracy and linearity:±1% of rated output current Accuracy and linearity:±1% of rated output voltage							
External Resistor Control Output Current	Accuracy and	linearity:±1.5% of	rated output curre					
Output Voltage Monitor	Accuracy: ±19							
Output Current Monitor Shutdown Control	Accuracy: ±19		/ (0V to 0.5V) or sh	ort-circuit				
Dutput On/Off Control	Possible logic		(0 to 0.5 v) or sh	ion-circuit				
. ,	Turn the outp	ut on using a LOW	/ (0V to 0.5V) or sh					
			H (4.5V to 5V) or c		the output off u	sing a LOW(0\	/ to 0.5V) or sho	ort-circuit
Alarm Clear Control CV/CC/ALM/PWR ON/OUT ON Indicator			0.5V) or short-circ tput; Maximum vo		ım sink current	8mA		
Frigger Out			BV; minimum high				mA	
rigger In			e = 0.8V; minimun					
RONT PANEL								
Display, 4 digits, Voltage Accuracy 0.1%+ Current Accuracy 0.2%+	12mV	16mV	25mV	30mV	40mV	60mV	80mV	100m\
Current Accuracy 0.2%+	600mA	540mA	360mA	300mA	228mA		114mA	90m/
Suttons			R, ISR, DLY, RMT, L I_CLR), Function(N				. ALIVI, EKK	
nobs	Voltage, Curre			(iii), iest(iii2), se	((WS), Shint, Ot	iipui		
ISB Port	Type A USB co	onnector						
RANSIENT RESPONSE TIME (*10)	1		1					
ransient Response Time	1.5ms	1.5ms	lms	lms	lms	lms	lms	lm
OUTPUT RESPONSE TIME		00			80		22	
ise Time(*8) Rated load No load	80ms 80ms	80ms 80ms	80ms 80ms	80ms 80ms	80ms 80ms	80ms 80ms	80ms 80ms	80m: 80m:
all Time(*9) Rated load	10ms	50ms	50ms	50ms	50ms	80ms	80ms	80m
No load	500ms	600ms	700ms	700ms	800ms	900ms	1000ms	1100m
PROGRAMMING AND MEASUREME				75.14	10.14	15)/	20.14	25 \
utput Voltage Programming Accuracy 0.05%+ utput Current Programming Accuracy 0.2%+	3mV 200mA	4mV 180mA	6.25mV 120mA	7.5mV 100mA	10mV 76mA	15mV 50mA	20mV 38mA	25m\ 30m/
utput Voltage Programming Resolution	0.2mV	0.27mV	0.4mV	0.5mV	0.7mV	1mV	1.3mV	1.7m\
Output Current Programming Resolution	6mA	6mA	4mA	3.3mA	2.5mA	1.7mA	1.2mA	1m/
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	50m\ 60m/
Output Voltage Measurement Resolution	0.2mV	0.27mV	0.4mV	0.5mV	0.7mV	1mV	1.3mV	1.7m\
Output Current Measurement Resolution	6mA	6mA	4mA	3.3mA	2.5mA	1.7mA	1.2mA	1m/
EMPERATURE COEFFICIENCE		<u> </u>						
oltage & Current		fter a 30 minute v	/arm-up					
REMOTE SENSE COMPENSATION V							-	
oltage	1V	1V	1V	1V	1V	1.5V	2V	2
PROTECTION FUNCTION	06.604	0.8.8.81/	1.25 12.751/		2.221/	2 221/	4 4414	F FF)
Over Voltage Protection(OVP) Setting Range	0.6~6.6V 60mV	0.8~8.8V 80mV	1.25~13.75V 125mV	1.5~16.5V 150mV	2~22V 200mV	3~33V 300mV	4~44V 400mV	5~55\ 500m\
			5~132A			5~55A	3.8~41.8A	3~334
Setting Accuracy Over Current Protection(OCP) Setting Range	5~220A	5~198A		5~110A	5~83.6A			
Setting Accuracy Over Current Protection(OCP) Setting Range Setting Accuracy	4000mA	3600mA	2400mA	2000mA	1520mA	1000mA	760mA	
Ver Current Protection(OCP) Setting Range Setting Accuracy Inder Voltage Limit(UVL) Setting Range	4000mA 0~6.3V	3600mA 0~8.4V					760mA 0~42V	
Ver Current Protection(OCP) Setting Accuracy Setting Range Setting Accuracy Inder Voltage Limit(UVL) Setting Range Ver Temperature Protection(OHP) Operation	4000mA 0~6.3V Turn the outp	3600mA 0~8.4V ut off.	2400mA	2000mA	1520mA	1000mA		
Ver Current Protection (OCP) Setting Accuracy Setting Accuracy Inder Voltage Limit(UVL) Setting Range ver Temperature Protection(OHP) Operation correct Sensing Connection Protection(SENSE) Operation	4000mA 0~6.3V	3600mA 0~8.4V ut off. ut off.	2400mA	2000mA	1520mA	1000mA		
Ver Current Protection(OCP) Setting Accuracy Setting Accuracy Setting Accuracy Setting Accuracy Setting Range Ver Temperature Protection(OHP) Operation correct Sensing Connection Protection(SENSE) Operation w AC Input Protection (AC-FAIL) Operation hutdown (SD) Operation	4000mA 0~6.3V Turn the outp Turn the outp Turn the outp Turn the outp	3600mA 0~8.4V ut off. ut off. ut off. ut off.	2400mA	2000mA	1520mA	1000mA		
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Setting Accuracy Over Current Protection (OCP) Setting Range Setting Accuracy Setting Accuracy Setting Accuracy Setting Range Setting Accuracy Setting Range Setting Accuracy Setting Range Setting Accuracy Setting Accuracy Seting Accuracy Setting Accur	4000mA 0~6,3V Turn the outp Turn the outp Turn the outp Turn the outp Turn the outp Over power li Approx. 105% TypeA: Host, MAC Address Complies witl SCPI - 1993, I RFACE (FACT Using 0-5V or Using 4-20mA 0°C ~ 50°C (° -25°C ~ 70°C 20% ~ 85% R 90% RH or le Maximum 200 100Vac to 240 85Vac ~ 265V: 47Hz ~ 63Hz	3600mA 0-8.4V ut off. ut off. ut off. it of rated output p TypeB: Slave, Spee , DNS IP Address the EIA232D / E EEE 48.2 compl 0-10V signals for current signals for cu	2400mA 0~13.12V	2000mA 0~15.75V lass: CDC (Comm Gateway IP Addre ns	1520mA 0~21V unications Dev ss, Instrument	1000mA 0~31.5V	0~42V	
Setting Accuracy Diver Current Protection(OCP) Setting Accuracy Setting Accuracy	$\begin{array}{c} 4000\text{mA}\\ 0{\sim}6{,}3V\\ \hline\\ \text{Turn the outp}\\ \hline\\ \text{Over power li}\\ \hline\\ \text{Approx. 105\%}\\ \hline\\ \hline\\ \hline\\ \hline\\ \text{TypeA: Host,}\\ \hline\\ \text{MAC Address}\\ \hline\\ \text{Complies with}\\ \hline\\ \text{SCPI - 1993, I}\\ \hline\\ SCPI - 200\% or Integration of the set of the se$	3600mA 0-8.4V ut off. ut off. ut off. of rated output p TypeB: Slave, Spee , DNS IP Address the EIA332D / E EEE 488.2 compli ORY OPTION 0-10V signals for current si	2400mA 0~13.12V	2000mA 0~15.75V lass: CDC (Comm Gateway IP Addre ns	1520mA 0~21V unications Dev ss, Instrument	1000mA 0~31.5V	0~42V	
Setting Accuracy Diver Current Protection (OCP) Setting Range Setting Accuracy Setting Accuracy Se	4000mA $0 \sim 6.3V$ Turn the outp Turn the outp Turn the outp Turn the outp Over power li Approx. 105% TypeA: Host, MAC Address Complies with SCPI - 1993, I SRFACE (FACT Using 0-SV or Using 4-20mA 0°C ~ 50°C (° -25°C ~ 70°C 20% ~ 85% R 90% RH or le Maximum 200 100Vac to 240 85Vac ~ 265V 47Hz ~ 63Hz 21/11 Less than 50A	3600mA 0-8.4V ut off. ut off. ut off. of rated output p TypeB: Slave, Spee , DNS IP Address the EIA332D / E EEE 488.2 compli ORY OPTION 0-10V signals for current si	2400mA 0~13.12V	2000mA 0~15.75V lass: CDC (Comm Gateway IP Addre ns	1520mA 0~21V unications Dev ss, Instrument	1000mA 0~31.5V	0~42V	
Setting Accuracy Diver Current Protection (OCP) Setting Range Setting Accuracy Setting Connection (OCP) Setting Range Setting Accuracy Setting Accuracy Setting Range Setting Accuracy Setting Accuracy S	$\begin{array}{c} 4000\text{mA}\\ 0{\sim}6{,}3V\\ \hline\\ \text{Turn the outp}\\ \hline\\ \text{Over power li}\\ \hline\\ \text{Approx. 105\%}\\ \hline\\ \hline\\ \hline\\ \hline\\ \text{TypeA: Host,}\\ \hline\\ \text{MAC Address}\\ \hline\\ \text{Complies with}\\ \hline\\ \text{SCPI - 1993, I}\\ \hline\\ SCPI - 200\% or Integration of the set of the se$	3600mA 0-8.4V ut off. ut off. ut off. of rated output p TypeB: Slave, Spee , DNS IP Address the EIA332D / E EEE 488.2 compli ORY OPTION 0-10V signals for current si	2400mA 0~13.12V	2000mA 0~15.75V lass: CDC (Comm Gateway IP Addre ns	1520mA 0~21V unications Dev ss, Instrument	1000mA 0~31.5V	0~42V	
Setting Accuracy Over Current Protection (OCP) Setting Range Setting Accuracy Setting Accuracy Setting Accuracy Setting Range Setting Accuracy Setting Range Setting Accuracy Setting Range Setting Accuracy Setting Accu	4000mA $0 \sim 6.3V$ Turn the outp Turn the outp Turn the outp Turn the outp Over power li Approx. 105% TypeA: Host, MAC Address Complies with SCPI - 1993, I RFACE (FACT Using 0-5V or Using 4-20mA $0^{\circ}C \sim 50^{\circ}C$ (° -25°C ~ 70°C 20% ~ 85% R 90% RH or le Maximum 200 100Vac to 240 85Vac ~ 265V. 47Hz ~ 63Hz 21/11 Less than 50A 2000VA	3600mA 0-8.4V ut off. ut off. ut off. of rated output p TypeB: Slave, Spee , DNS IP Address the EIA232D / E EEE 488.2 compli DRY OPTION 0-10V signals for current si	2400mA 0~13.12V	2000mA 0~15.75V lass: CDC (Comm Gateway IP Addre ns	1520mA 0~21V unications Dev ss, Instrument	1000mA 0~31.5V	0~42V	
Setting Accuracy ver Current Protection(OCP) Setting Accuracy Setting Accuracy S	4000mA $0 \sim 6.3V$ Turn the outp Turn the outp Turn the outp Turn the outp Turn the outp Over power li Approx. 105% TypeA: Host, MAC Address Complies witt SCPI - 1993, I RFACE (FACT Using 0-5V or Using 4-20mA 0°C ~ 50°C (° -25°C ~ 70°C 20% ~ 85% R 90% RH or le Maximum 200 100Vac to 240 85Vac ~ 265Vi 47Hz ~ 63Hz 21/11 Less than 50A 2000VA 0.99/0.98	3600mA 0-8.4V ut off. ut off. ut off. of rated output p TypeB: Slave, Spee , DNS IP Address the EIA232D / E EEE 488.2 compli DRY OPTION 0-10V signals for current si	2400mA 0~13.12V	2000mA 0~15.75V lass: CDC (Comm Gateway IP Addre ns	1520mA 0~21V unications Dev ss, Instrument	1000mA 0~31.5V	0~42V	

	PSU 60-25	PSU 80-19	PSU 100-15	PSU 150-10	PSU 300-5	PSU 400-3.8	PSU 600-2.
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)							
СVp-p(10 ~ 20МНz) p-p (*6)	60mV	80mV	80mV	100mV	150mV	200mV	300mV
CVrms(5Hz ~ 1MHz) r.m.s. (*7)	8mV 75mA	8mV	8mV 45mA	10mV	25mV 25mA	40mV 17mA	60mV
CCrms(5Hz ~ 1MHz) r.m.s.(*12) LOAD REGULATION	75mA	57mA	45mA	35mA	ZomA	I/mA	12mA
Voltage(*4)	8mV	10mV	12mV	17mV	32mV	42mV	62mV
Current(*11)	10mA	8.8mA	8mA	7mA	6mA	5.76mA	5.52mA
LINE REGULATION							
Voltage(*3)	8mV	10mV	12mV	17mV	32mV	42mV	62mV
Current(*3) ANALOG PROGRAMMING AND MC	4.5mA	3.9mA	3.5mA	3mA	2.5mA	2.38mA	2.26mA
External Voltage Control Output Voltage External Voltage Control Output Current External Resistor Control Output Voltage External Resistor Control Output Voltage Monitor Output Voltage Monitor Output Current Monitor Shutdown Control Output On/Off Control Alarm Clear Control CV/CC/ALM/PWR ON/OUT ON Indicator	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; 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						
Trigger Out	Maximum low le	vel output = 0.8V; m vel input voltage = 0	ninimum high level	output = 2V; Maxi	num source curre		
Trigger In FRONT PANEL	waximum low le	ver input voitage = t		· · · · · · · · · · · · · · · · · · ·	2 − 2 v, iviaximum		
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 Buttons		V, CC, V, A, VSR, ISF ck), PROT(ALM_CL				LED's: ALM, ERR	
Knobs	Voltage, Current	,· 、 、	ity, runction(IVIT), 1	car(1012), art(1013),	Sinit, Output		
JSB Port	Type A USB conr	nector					
TRANSIENT RESPONSE TIME (*10)	, , , , , , , , , , , , , , , , , , ,			2	2	2	2
Transient Response Time OUTPUT RESPONSE TIME	lms	lms	lms	2ms	2ms	2ms	2ms
Rise Time(*8) Rated load	80ms	150ms	150ms	150ms	150ms	200ms	250ms
No load	80ms	150ms	150ms	150ms	150ms 150ms	200ms	250ms
all Time(*9) Rated load No load	80ms 1100ms	150ms 1200ms	150ms 1500ms	150ms 2000ms	2500ms	200ms 3000ms	250ms 4000ms
ROGRAMMING AND MEASUREME	NTS (RS-232/48	5, USB, LAN, GPI	B)				
output Voltage Programming Accuracy 0.05%+ output Current Programming Accuracy 0.2%+	30mV 25mA	40mV 19mA	50mV 15mA	75mV 10mA	150mV 5mA	200mV 3.8mA	300mV 2.6mA
utput Voltage Programming Resolution	2mV	2.7mV	3.4mV	5.2mV	10.2mV	13.6mV	20.4mV
Dutput Current Programming Resolution Dutput 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%+	50mA	38mA	30mA	20mA	10mA	7.6mA	5.2mA
Dutput Voltage Measurement Resolution Dutput Current Measurement Resolution	2mV	2.7mV	3.4mV	5.2mV	10.2mV 0.19mA	13.6mV	20.4mV 0.09mA
	0.8mA	0.65mA	0.5mA	0.34mA	0.1911A	0.13mA	0.09111A
/oltage & Current	100ppm/°C afte	r a 30 minute warm	-up				
REMOTE SENSE COMPENSATION V	OLTAGE(TWO W	/IRE)	•				
	3V	4V	5V	5V	5V	5V	5V
/oltage			1				
PROTECTION FUNCTION	1	5~88V	5~110V 1000mV	5~165V	5~330V	5~440V 4000mV	5~660V
PROTECTION FUNCTION Dver Voltage Protection(OVP) Setting Range	5~66V 600mV			1500mV	3000mV		6000mV
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range	600mV 2.5~27.5A	800mV 1.9~20.9A	1.5~16.5A	1500mV 1~11A	3000mV 0.5~5.5A	0.38~4.18A	6000mV 0.26~2.86A
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range Setting Accuracy	600mV 2.5~27.5A 500mA	1.9~20.9A 380mA	1.5~16.5A 300mA	1~11A 200mA	0.5~5.5A 100mA	0.38~4.18A 76mA	0.26~2.86A 52mA
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range Setting Accuracy Jnder Voltage Limit(UVL) Setting Range	600mV 2.5~27.5A 500mA 0~63V	1.9~20.9A 380mA 0~84V	1.5~16.5A	1~11A	0.5~5.5A	0.38~4.18A	0.26~2.86A
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range Setting Accuracy Setting Accuracy Setting Range Setting Range Over Temperature Protection(OHP) Operation correct Sensing Connection Protection(SENSE) Operation	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output	1.9~20.9A 380mA 0~84V off. off.	1.5~16.5A 300mA	1~11A 200mA	0.5~5.5A 100mA	0.38~4.18A 76mA	0.26~2.86A 52mA
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range Setting Range Diver Temperature Protection(OHP) Operation correct Sensing Connection Protection(SENSE) Operation ow AC Input Protection (AC-FAIL) Operation	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output	1.9~20.9A 380mA 0~84V off. off. off.	1.5~16.5A 300mA	1~11A 200mA	0.5~5.5A 100mA	0.38~4.18A 76mA	0.26~2.86A 52mA
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range Setting Accuracy Inder Voltage Limit(UVL) Setting Range Over Temperature Protection(SENSE) Operation correct Sensing Connection Protection(SENSE) Operation ow AC Input Protection (AC-FAIL) Operation hutdown (SD) Operation	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output	1.9~20.9A 380mA 0~84V off. off. off. off.	1.5~16.5A 300mA	1~11A 200mA	0.5~5.5A 100mA	0.38~4.18A 76mA	0.26~2.86A 52mA
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Setting Accuracy Juder Voltage Limit(UVL) Setting Range Over Temperature Protection(SENSE) Operation korrect Sensing Connection Protection(SENSE) Operation Shutdown (SD) Operation	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi	1.9~20.9A 380mA 0~84V off. off. off. off.	1.5~16.5A 300mA 0~105V	1~11A 200mA	0.5~5.5A 100mA	0.38~4.18A 76mA	0.26~2.86A 52mA
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Setting Accuracy Juder Voltage Limit(UVL) Setting Range Over Temperature Protection(OHP) Operation toorret: Sensing Connection Protection(SENSE) Operation ow AC Input Protection (AC-FAIL) Operation Nuclear Limit (POWER LIMIT) Operation Value (Fixed) NTERFACE CAPABILITIES	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% o	1.9~20.9A 380mA 0~84V off. off. off. off. off. t t f rated output powe	1.5~16.5A 300mA 0~105V	1~11A 200mA 0~157.5V	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Setting Range Diver Temperature Protection(OCHP) Operation scorred Sensing Connection Protection(SENSE) Operation ow AC Input Protection (AC-FAIL) Operation Shutdown (SD) Operation Prover Limit (POWER LIMIT) Operation Value (Fixed) NTERFACE CAPABILITIES JSB	600mV 2.5-27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% o TypeA: Host, Typ	1.9~20.9A 380mA 0~84V off. off. off. off. off. f rated output powe peB: Slave, Speed: 1	1.5~16.5A 300mA 0~105V r	1~11A 200mA 0~157.5V CDC(Communical	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Setting Range Diver Temperature Protection(OHP) Operation correct Sensing Connection Protection(SENS) Operation cow AC Input Protection (AC-FALL) Operation Shutdown (SD) Operation Shutdown (SD) Operation Value (Fixed) NTERFACE CAPABILITIES JSB AN	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% o TypeA: Host, Typ MAC Address, D	1.9~20.9A 380mA 0~84V off. off. off. off. t f rated output powe DeB: Slave, Speed: 1 DNS IP Address, Use	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev	1~11A 200mA 0~157.5V CDC(Communical	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Setting Accuracy Juder Voltage Limit(UVL) Setting Range Diver Temperature Protection(SENSE) Operation iccorrect Sensing Connection Protection(SENSE) Operation iccorrect Sensing Connection Protection(SENSE) Operation Shutdown (SD) Operation Shutdown (SD) Operation Value (Fixed) NTERFACE CAPABILITIES JSB AN IS-232 / RS-485 GPIB (Factory Option)	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Urn the output Over power limi Approx. 105% o TypeA: Host, Typ MAC Address, D Complies with ti SCPI - 1993, IEE	1.9~20.9A 380mA 0~84V off. off. off. off. off. t f rated output powe DeB: Slave, Speed: 1 DNS IP Address, Use he EIA322D / EIA48 E 488.2 compliant ii	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications	1~11A 200mA 0~157.5V CDC(Communical	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Setting Range Diver Current Protection(OCP) Setting Range Diver Current Protection(OCP) Setting Range Diver Temperature Protection(OCP) Operation tower Competition Protection(SENSE) Operation ow AC Input Protection (AC-FAIL) Operation Value (Fixed) NTERFACE CAPABILITIES JSB AN SS-232 / RS-485 DIB (Factory Option) SOLATED ANALOG CONTROL INTE	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% of TypeA: Host, Typ MAC Address, E Complies with th SCPI - 1993, IEE RFACE (FACTOF	1.9~20.9A 380mA 0~84V off. off. off. off. t f rated output powe peB: Slave, Speed: 1 NNS IP Address, Us- he EIA232D / EIA48 E 488.2 compliant in RY OPTION	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, In:	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range Over Temperature Protection(OHP) Operation correct Sensing Connection Protection(SENSE) Operation ow AC Input Protection (AC-FALL) Operation ow AC Input Protection (AC-FALL) Operation ow AC Input Protection (AC-FALL) Operation ower Limit (POWER LIMIT) Operation operation Value (Fixed) NTERFACE CAPABILITIES ISB AN S-232 / RS-485 SPIB (Factory Option) SOLATED ANALOG CONTROL INTE Foltage Control	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% o TypeA: Host, Typ MAC Address, D Complies with tl SCPI - 1993, IEE RFACE (FACTOF Using 0-5V or 0-	1.9~20.9A 380mA 0~84V off. off. off. off. off. t f rated output powe DeB: Slave, Speed: 1 DNS IP Address, Use he EIA322D / EIA48 E 488.2 compliant ii	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range Setting Accuracy Inder Voltage Limit(UVL) Setting Range Over Temperature Protection(OHP) Operation correct Sensing Connection Protection(SENSE) Operation hutdown (SD) Operation Nutdown (SD) Operation Value (Fixed) NTERFACE CAPABILITIES ISB AN S-232 / RS-485 PIB (Factory Option) SOLATED ANALOG CONTROL INTE Fortegee Control Current Control	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% o TypeA: Host, Typ MAC Address, D Complies with tl SCPI - 1993, IEE RFACE (FACTOF Using 0-5V or 0-	1.9~20.9A 380mA 0~84V off. off. off. off. frated output powe beB: Slave, Speed: 1 DNS IP Address, Uso he EIA232D / EIA48 E 488.2 compliant it X OPTION 10V signals for prog	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range (Detring Range Limit(UVL) Setting Range Over Temperature Protection(OHP) Operation correct Sensing Connection Protection(SINSE) Operation ow AC Input Protection (AC-FAIL) Operation Solarted ANALOG CONTROL INTEE Isla Solarted ANALOG CONTROL INTEE Isla NVIRONMENTAL CONDITIONS Operating Temperature	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% o TypeA: Host, Typ MAC Address, D Complies with ti SCPI - 1993, IEE RFACE (FACTOF Using 0-5V or 0- Using 4-20mA ct	1.9~20.9A 380mA 0~84V off. off. off. off. t f rated output powe poB: Slave, Speed: 1 DNS IP Address, Usa he EIA232D / EIA48 E 488.2 compliant it RY OPTION 10V signals for prog urrent signals for prog	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range Setting Accuracy Setting Range Over Temperature Protection(OHP) Operation correct Sensig Connection Protection(SENSE) Operation ow AC Input Protection (AC-FALL) Operation inhutdown (SD) Operation Value (Fixed) NTERFACE CAPABILITIES USB AN S-232 / RS-485 SPIB (Factory Option) SOLATED ANALOG CONTROL INTE Foltage Control Current Control NTRONMENTAL CONDITIONS Operating Temperature torage Temperature	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% or TypeA: Host, Typ MAC Address, E Complies with tl SCPI - 1993, IEE ERFACE (FACTOF Using 0-5V or 0- Using 4-20mA ct	1.9~20.9A 380mA 0~84V off. off. off. off. t f rated output powe poB: Slave, Speed: 1 DNS IP Address, Usa he EIA232D / EIA48 E 488.2 compliant it RY OPTION 10V signals for prog urrent signals for prog	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Over Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OCP) Setting Range Under Voltage Limit(UVL) Setting Range Over Temperature Protection(OHP) Operation correct Sensing Connection Protection(SENSE) Operation ow AC Input Protection (AC-FAIL) Operation ower Limit (POWER LIMIT) Operation Value (Fixed) NTERFACE CAPABILITIES USB AN S-232 / RS-485 PIB (Factory Option) SOLATED ANALOG CONTROL INTE Foltage Control Current Control NVIRONMENTAL CONDITIONS Diperating Temperature Diperating Temperature Diperating Humidity torage Humidity	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Urn the output Over power limi Approx. 105% o TypeA: Host, Typ MAC Address, D Complies with ti SCPI - 1993, IEE RFACE (FACTOF Using 0-5V or 0- Using 4-20mA ct 0°C ~ 50°C (*14 -25°C ~ 70°C 20% RH or less;	1.9~20.9A 380mA 0~84V off. off. off. off. off. f rated output powe DeB: Slave, Speed: 1 DNS IP Address, Use the EIA32D / EIA48 E 488.2 compliant in RY OPTION 10V signals for progurrent signals for prog urrent signals for prog DV Signals for prog	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Setting Accuracy Setting Range Diver Temperature Protection(OHP) Operation correct Sensing Connection Protection(SENS) Operation ow AC Input Protection (AC-FAIL) Operation value (Fixed) NTERFACE CAPABILITIES JSB AN IS-232 / RS-485 SDIB (Factory Option) SOLATED ANALOG CONTROL INTE (oltage Control SINTRONMENTAL CONDITIONS Operating Temperature torage Temperature torage Humidity Vertice Accuracy Setting Control Network Setting Temperature torage Humidity Network Setting Setting Setting Network Setting Setting Setting Setting Network Setting Setti	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% or TypeA: Host, Typ MAC Address, E Complies with th SCPI - 1993, IEE RFACE (FACTOF Using 0-5V or 0 Using 4-20mA ct 0°C ~ 50°C (*14 -25°C ~ 70°C 20% ~ 85% RH;	1.9~20.9A 380mA 0~84V off. off. off. off. off. f rated output powe DeB: Slave, Speed: 1 DNS IP Address, Use the EIA32D / EIA48 E 488.2 compliant in RY OPTION 10V signals for progurrent signals for prog urrent signals for prog DV Signals for prog	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Setting Accuracy Setting Range Diver Temperature Protection(OCP) Operation cow AC Input Protection (AC-FAIL) Operation Composed Limit (POWER LIMIT) Operation Value (Fixed) NTERFACE CAPABILITIES USB AN IS-232 / RS-485 CPIB (Factory Option) SOLATED ANALOG CONTROL INTE /oltage Control Current Control ENVIRONMENTAL CONDITIONS Deperating Temperature Storage Temperature Storage Humidity Altitude NPUT CHARACTERISTICS	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% or TypeA: Host, Typ MAC Address, E Complies with tl SCPI - 1993, IEE ERACE (FACTOF Using 0-5V or 0- Using 4-20mA ci 0°C ~ 50°C (*14 -25°C ~ 70°C 20% ~ 85% RH; 90% RH or less; Maximum 2000	1.9~20.9A 380mA 0~84V off. off. off. off. off. f rated output powe beB: Slave, Speed: 1 NNS IP Address, Us- he EIA232D / EIA48 E 488.2 compliant in EY OPTION 10V signals for pro- gurrent signals for pro- gurrent signals for pro- by No condensation Mo condensation m	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea ogramming and me	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OVP) Setting Range Setting Range Diver Current Protection(OCP) Setting Range Setting Range Diver Current Protection(OHP) Operation ncorect Sensing Connection Protection(SENSE) Operation New AC Input Protection (AC-FAIL) Operation Shutdown (SD) Operation New AC Input Protection (AC-FAIL) Operation Shutdown (SD) Operation New AC Input Protection (AC-FAIL) Operation Shutdown (SD) Operation Value (Fixed) NTERFACE CAPABILITIES JSB AN SS-232 / RS-485 SPIB (Factory Option) SOLATED ANALOG CONTROL INTE foltage Control Current Control Storage Temperature Storage Temperature Doperating Temperature Storage Humidity Storage Humidity Storage Humidity Storage Humidity Storage Humidity Storage Humidity Storage Input Voltage Range	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Over power limi Approx. 105% o TypeA: Host, Typ MAC Address, L Complies with th SCPI - 1993, IEE RFACE (FACTOF Using 4-20mA ct Using 4-20mA ct 0°C ~ 50°C (*14 -25°C ~ 70°C 20% ~ 85% RH; 90% RH or less; Maximum 2000r	1.9~20.9A 380mA 0~84V off. off. off. off. off. f rated output powe DeB: Slave, Speed: 1 DNS IP Address, Use the EIA32D / EIA48 E 488.2 compliant in RY OPTION 10V signals for progurrent signals for prog urrent signals for prog DV Signals for prog	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea ogramming and me	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Setting Accuracy Setting Range Diver Temperature Protection(OHP) Operation comet Sensing Connection Protection(SENSE) Operation ow AC Input Protection (AC-FAIL) Operation cow AC Input Protection (AC-FAIL) Operation ow AC Input Protection (AC-FAIL) Operation Network (SD) Operation Value (Fixed) NTERFACE CAPABILITIES JSB AN ISS-232 / RS-485 CPIB (Factory Option) SOLATED ANALOG CONTROL INTE /oltage Control SUTRONMENTAL CONDITIONS Operating Temperature Storage Temperature Storage Humidity Vitude NPUT CHARACTERISTICS Jomial Input Rating nput Voltage Range	600mV 2.5-27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% o TypeA: Host, Typ MAC Address, E Complies with ti SCPI - 1993, IEE RFACE (FACTOF Using 0-5V or 0- Using 4-20mA ct 0°C ~ 50°C (*14 -25°C ~ 70°C 20% ~ 85% RH; 90% RH or less; Maximum 2000r 100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz	1.9~20.9A 380mA 0~84V off. off. off. off. off. f rated output powe beB: Slave, Speed: 1 NNS IP Address, Us- he EIA232D / EIA48 E 488.2 compliant in EY OPTION 10V signals for pro- gurrent signals for pro- gurrent signals for pro- by No condensation Mo condensation m	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea ogramming and me	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Setting Accuracy Diver Current Protection(OCP) Setting Range Diver Temperature Protection(OCP) Setting Range Diver Temperature Protection(SENSE) Operation Low AC Input Protection (AC-FAIL) Operation Low AC Input Protection (AC-FAIL) Operation Dower Limit (POWER LIMIT) Operation Value (Fixed) NTERFACE CAPABILITIES JSB AN SS-232 / RS-485 CPIB (Factory Option) SOLATED ANALOG CONTROL INTE Voltage Control Current Control ENVIRONMENTAL CONDITIONS Distring Temperature Storage Temperature Storage Temperature Storage Humidity Altitude NPUT CHARACTERISTICS Nominal Input Rating nput Voltage Range Maximum Input Current 100Vac/200Vac(A)	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% or TypeA: Host, Typ MAC Address, E Complies with tl SCPI - 1993, IEE RFACE (FACTOF Using 0-5V or 0- Using 0-5V or 0- Using 0-5V or 0- Using 0-5V or 0- Using 2-20mA ct 0°C ~ 50°C (*14 -25°C ~ 70°C 20% ~ 85% RH; 90% RH or less; Maximum 2000 100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz 21/11	1.9~20.9A 380mA 0~84V off. off. off. off. off. f rated output powe beB: Slave, Speed: 1 NNS IP Address, Us- he EIA232D / EIA48 E 488.2 compliant in EY OPTION 10V signals for pro- gurrent signals for pro- gurrent signals for pro- by No condensation Mo condensation m	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea ogramming and me	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Diver Current Protection(OVP) Setting Range Setting Accuracy Setting Range Setting Range Diver Temperature Protection(OHP) Operation cow AC Input Protection (AC-FAIL) Operation Common (SD) Solarted CAPABILITIES Derating Temperature Control Current Control Current Control Comparing Temperature Corage	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Urn the output Over power limi Approx. 105% of TypeA: Host, Typ MAC Address, E Complies with ti SCPI - 1993, IEE RFACE (FACTOF Using 0-5V or 0- Using 4-20mA ci 0°C ~ 50°C (*14 -25°C ~ 70°C 20% ~ 85% RH; 90% RH or less; Maximum 2000 100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz 21/11 Less than 50A 2000VA	1.9~20.9A 380mA 0~84V off. off. off. off. off. f rated output powe beB: Slave, Speed: 1 NNS IP Address, Us- he EIA232D / EIA48 E 488.2 compliant in EY OPTION 10V signals for pro- gurrent signals for pro- gurrent signals for pro- by No condensation Mo condensation m	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea ogramming and me	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
Over Current Protection(OCP) Setting Range Setting Accuracy Setting Accuracy Setting Range Over Temperature Protection(OHP) Operation noorect Sensing Connection (ACC-FAIL) Operation Solut Own (SD) Operation Power Limit (POWER LIMIT) Operation Value (Fixed) NTERFACE CAPABILITIES USB LAN RS-232 / RS-485 GPIB (factory Option) SOLATED ANALOG CONTROL INTE Voltage Control Current Control SOLATED ANALOG CONTROL INTE Voltage Control Current Control ENVIRONMENTAL CONDITIONS Operating Temperature Storage Temperature Operating Humidity Storage Humidity Storage Humidity Altitude NPUT CHARACTERISTICS Nominal Input Rating nput Voltage Range nput Frequency Range Maximum Input Current 100Vac/200Vac(A) nrush Current Maximum Input Power Power Factor 100Vac/200Vac	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Turn the output Over power limi Approx. 105% o TypeA: Host, Typ MAC Address, E Complies with tl SCPI - 1993, IEE RFACE (FACTOF Using 0-5V or 0- Using 0-5V or 0- Using 0-5V or 0- Using 2.20% ~ 85% RH; 90% RH or less; Maximum 2000 100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz 21/11 Less than 50A 2000VA 0.99/0.98	1.9~20.9A 380mA 0~84V off. off. off. off. off. f rated output powe beB: Slave, Speed: 1 NNS IP Address, Us- he EIA232D / EIA48 E 488.2 compliant in EY OPTION 10V signals for pro- gurrent signals for pro- gurrent signals for pro- by No condensation Mo condensation m	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea ogramming and me	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA
PROTECTION FUNCTION Diver Voltage Protection(OVP) Setting Range Setting Accuracy Over Current Protection(OVP) Setting Range Over Temperature Protection(OHP) Operation scorred Sensing Connection Protection(SENSE) Operation ow AC Input Protection (AC-FAIL) Operation over termit (POWER LIMIT) Operation Value (Fixed) NTERFACE CAPABILITIES JSB AN AX 25-232 / RS-485 SPIB (Factory Option) SOLATED ANALOG CONTROL INTE /oltage Control Surrent Control Storage Temperature Storage Temperature Storage Temperature Storage Temperature Storage Temperature Distring Temperature Storage Temperature Operating Humidity Storage Humidity Storage Mumidity Nitude NPUT CHARACTERISTICS Jominal Input Rating nput Voltage Range pupt Frequency Range Aaximum Input Current 100Vac/200Vac(A) nrush Current Jaximum Input Power	600mV 2.5~27.5A 500mA 0~63V Turn the output Turn the output Turn the output Urn the output Over power limi Approx. 105% of TypeA: Host, Typ MAC Address, E Complies with ti SCPI - 1993, IEE RFACE (FACTOF Using 0-5V or 0- Using 4-20mA ci 0°C ~ 50°C (*14 -25°C ~ 70°C 20% ~ 85% RH; 90% RH or less; Maximum 2000 100Vac to 240Va 85Vac ~ 265Vac 47Hz ~ 63Hz 21/11 Less than 50A 2000VA	1.9~20.9A 380mA 0~84V off. off. off. off. off. f rated output powe beB: Slave, Speed: 1 NNS IP Address, Us- he EIA232D / EIA48 E 488.2 compliant in EY OPTION 10V signals for pro- gurrent signals for pro- gurrent signals for pro- by No condensation Mo condensation m	1.5~16.5A 300mA 0~105V r .1/2.0, USB Class: er Password, Gatev 5 Specifications nterface gramming and mea ogramming and me	1~11A 200mA 0~157.5V CDC(Communicat /ay IP Address, Ins	0.5~5.5A 100mA 0~315V	0.38~4.18A 76mA 0~420V	0.26~2.86A 52mA

- 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 85-132 Vac or 170-265 Vac, constant load. *4. From No-load to Full-load, constant input voltage. Measured at the sensing

 - *4. From No-load to Full-load, constant input voltage, incapoint in Remote Sense.
 *5. Measure with JEITA RC-9131B (1:1) probe
 *6. Measurement frequency bandwidth is 5Hz to 20MHz.
 *7. Measurement frequency bandwidth is 5Hz to 1MHz.

 - *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.

	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
ĺ	ACCESSORIES	
		er Manual Programming Manual) Output terminal covers

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

- *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 Ioad 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.
- *13. At rated output power. *14. If install the front panel filter kit, the temperature is guaranteed to 40°C.

OPTIONAL ACCESSORIES					
PSU-01B Bus bar for 2 units in parallel connection PSU-01C Cable for 2 units in parallel connection PSU-02B Bus bar for 3 units in parallel connection PSU-02C Cable for 3 units in parallel connection	CPW-001 UL/CSA power cord 3m ,PSU option CPW-002 VDE power cord 3m, PSU option GPW-003 PSE power cord 3m, PSU option CTL-246 USB Cable, USB 2.0A-B Type Cable, 4P				
PSU-03B Bus bar for 4 units in parallel connection PSU-03C Cable for 4 units in parallel connection	GTL-258 GPIB Cable, 2000mm GTL-259 RS-232 Cable with DB9 connector to RI45				
PSU-232 RS232 Cable with DB9 connector kit PSU-485 RS485 Cable with DB9 connector kit	GTL-260 RS-485 Cable with DB9 connector to RJ45 GTL-262 RS-485 Slave cable				
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 DOWNLOAD					
Driver LabView Driver					

Driver LabView Driver

Specifications subject to change without notice. PSU-SeriesGD1DS



- 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

