



# PSW-Series

## Multi-Range D.C. Power Supply

### FEATURES

- Voltage Rating : 30V/80V, Output Power Rating : 360W~1080W
- Constant Power Output for Multi-Range ( V & I ) Operation
- C.V / C.C Priority ; Particularly Suitable for the Battery and LED Industry
- Adjustable Slew Rate
- Series and Parallel Operation (2 units in Series/3 units in Parallel Maximum)
- High Efficiency and High Power Density
- 1/6 Rack Mount Size Design (EIA/JIS Standard)
- Standard Interface : LAN, USB, Analog Control Interface
- Optional Interface : GPIB-USB Adaptor
- LabVIEW Driver

## SPECIFICATIONS

	PSW 30-36	PSW 30-72	PSW 30-108	PSW 80-13.5	PSW 80-27	PSW 80-40.5
<b>OUTPUT RATING</b>						
Voltage	0~30V	0~30V	0~30V	0~80V	0~80V	0~80V
Current	0~36A	0~72A	0~108A	0~13.5A	0~27A	0~40.5A
Power	360W	720W	1080W	360W	720W	1080W
<b>REGULATION(CV)</b>						
Load	0.05% of rating +5mV					
Line	0.05% of rating +3mV					
<b>REGULATION(CC)</b>						
Load	0.1% of rating +5mA					
Line	0.1% of rating +5mA					
<b> RIPPLE &amp; NOISE (Noise Bandwidth 20MHz; Ripple Bandwidth=1MHz)</b>						
CV p-p	60mV	80mV	100mV	60mV	80mV	100mV
CV rms	7mV	11mV	14mV	7mV	11mV	14mV
CC rms	72mA	144mA	216mA	27mA	54mA	81mA
<b>PROGRAMMING ACCURACY</b>						
Voltage	0.05% +10mV	0.05% +10mV	0.1% +10mV	0.05% +10mV	0.1% +10mV	0.1% +10mV
Current	0.1% + 30mA	0.1% + 60mA	0.1% + 100mA	0.1% + 30mA	0.1% + 30mA	0.1% + 40mA
<b>READBACK ACCURACY</b>						
Voltage	0.1% +10mV	0.1% +60mV	0.1% +10mV	0.1% +10mV	0.1% +10mV	0.1% +10mV
Current	0.1% + 30mA	0.1% + 30mA	0.1% + 100mA	0.1% + 10mA	0.1% + 30mA	0.1% + 40mA
<b>RESPONSE TIME</b>						
Raise Time	50ms	50ms	50ms	50ms	50ms	50ms
Fall Time(Full Load)	50ms	50ms	50ms	50ms	50ms	50ms
Fall Time(No Load)	500ms	500ms	500ms	500ms	500ms	500ms
Load Transient Recover Time (Load change from 50 to 100%)	1ms	1ms	1ms	1ms	1ms	1ms
<b>PROGRAMMING RESOLUTION (By PC Remote Control Mode)</b>						
Voltage	1mV	1mV	1mV	1mV	1mV	1mV
Current	1mA	2mA	3mA	1mA	2mA	3mA
<b>MEASUREMENT RESOLUTION (By PC Remote Control Mode)</b>						
Voltage	1mV	1mV	1mV	1mV	1mV	1mV
Current	1mA	2mA	3mA	1mA	2mA	3mA
<b>SERIES AND PARALLEL CAPABILITY</b>						
Parallel Operation	Up to 3 units including the master unit					
Series Operation	Up to 2 units including the master unit					
<b>PROTECTION FUNCTION</b>						
OVP	10% to 110% of rated output voltage range					
OCP	10% to 110% of rated output current range					
OHP	Activated by elevated internal temperatures					
<b>FRONT PANEL DISPLAY ACCURACY</b>						
Voltage	0.1%± 2 digits	0.1%± 2 digits	0.1%± 2 digits	0.1%± 2 digits	0.1%± 2 digits	0.1%± 2 digits
Current	0.1%± 4 digits	0.1%± 7 digits	0.1%± 1 digits	0.1%± 2 digits	0.1%± 4 digits	0.1%± 5 digits
<b>ENVIRONMENT CONDITION</b>						
Operation Temp	0°C to 50 °C					
Storage Temp	-25°C to 70 °C					
Operating Humidity	20% to 85% RH					
Storage Humidity	90% RH or Less					
<b>TEMPERATURE COEFFICIENT (after 30 Minutes Warm Up)</b>						
Voltage	100ppm/°C					
Current	200ppm/°C					
<b>OTHER</b>						
Analog Control	Yes					
Interface	USB/LAN/GPIB(Option)					
Fan	With thermal sensing control					
POWER SOURCE	85VAC~265VAC, 50/60Hz, single phase					
DIMENSIONS & WEIGHT	71(W)x124(H)x350(D) mm; Approx. 3kg	142.5(W)x124(H)x350(D) mm; Approx. 5kg	214(W)x124(H)x350(D) mm; Approx. 7kg	71(W)x124(H)x350(D) mm; Approx. 3kg	142.5(W)x124(H)x350(D) mm; Approx. 5kg	214(W)x124(H)x350(D) mm; Approx. 7kg

Specifications subject to change without notice. SW-0000GD1BH

## ORDERING INFORMATION

PSW 30-36	(0~30V / 0~36A / 360W) Multi-Range DC Power Supply
PSW 30-72	(0~30V / 0~72A / 720W) Multi-Range DC Power Supply
PSW 30-108	(0~30V / 0~108A / 1080W) Multi-Range DC Power Supply
PSW 80-13.5	(0~80V / 0~13.5A / 360W) Multi-Range DC Power Supply
PSW 80-27	(0~80V / 0~27A / 720W) Multi-Range DC Power Supply
PSW 80-40.5	(0~80V / 0~40.5A / 1080W) Multi-Range DC Power Supply

## ACCESSORIES

User Manual x 1, Programmable User Manual x 1, GTL-123 Test Lead x 1, Power Cord x 1 (Region dependent) for 360W/720W model only,

## OPTIONAL ACCESSORIES

PSW-004 Basic Accessories Kit x 1  
Includes : M4 Terminal screws and washers x 2, Air Filter x 1, Analog control protection dummy x 1, Analog control lock lever x 1, M8 terminal bolts, nuts and washers x 2,

PSW-001	Accessory Kit for PSW-Series	GUG-001	GPIB to USB Adaptor
PSW-002	Simple IDC Tool	GRA-410-J	Rack Mount Kit
PSW-003	Contact Removal Tool	GRA-410-E	Rack Mount Kit
GTL-246	USB Cable	GET-001	Extended Terminal

Global Headquarters

### GOOD WILL INSTRUMENT CO., LTD.

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

China Subsidiary

### GOOD WILL INSTRUMENT (SUZHOU) CO., LTD.

NO. 69, Lushan Road, Snd, Suzhou Jiangsu 215011 China  
T +86-512-6661-7177 F +86-512-6661-7277  
E-mail: marketing@instek.com.cn

Malaysia Subsidiary

### GOOD WILL INSTRUMENT (M) SDN. BHD.

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

U.S.A. Subsidiary

### INSTEK AMERICA CORP.

3661 Walnut Avenue Chino, CA 91710, U.S.A.  
T +1-909-5918358 F +1-909-5912280  
E-mail: sales@instekamerica.com

Japan Subsidiary

### INSTEK JAPAN CORPORATION

4F, Prosper Bldg, 1-3-3 Iwamoto-Cho Chiyoda-Ku,  
Tokyo 101-0032 Japan  
T +81-3-5823-5656 F +81-3-5823-5655  
E-mail: info@instek.co.jp

Korea Subsidiary

### GOOD WILL INSTRUMENT KOREA CO., LTD.

Room No.805, Ace Hightech-City B/D 1 Dong,  
Mullae-Dong 3Ga 55-20, Yeongduengpo-Gu, Seoul, Korea  
T +82-2-3439-2205 F +82-2-3439-2207  
E-mail: gwinstek@gwinstek.co.kr

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[www.gwinstek.com](http://www.gwinstek.com)