



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
OUTPUT RATING						
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
REGULATION(CV)						
Load	0.05% of rating +5mV					
Line	0.05% of rating +3mV					
REGULATION(CC)						
Load	0.1% of rating +5mA					
Line	0.1% of rating +5mA					
RIPPLE & NOISE (Noise Bandwidth 20MHz; Ripple Bandwidth=1MHz)						
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
PROGRAMMING ACCURACY						
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
READBACK ACCURACY						
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
RESPONSE TIME						
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
PROGRAMMING RESOLUTION (By PC Remote Control Mode)						
Voltage	1mV	1mV	1mV	1mV	1mV	1mV
Current	1mA	2mA	3mA	1mA	2mA	3mA
MEASUREMENT RESOLUTION (By PC Remote Control Mode)						
Voltage	1mV	1mV	1mV	1mV	1mV	1mV
Current	1mA	2mA	3mA	1mA	2mA	3mA
SERIES AND PARALLEL CAPABILITY						
Parallel Operation	Up to 3 units including the master unit					
Series Operation	Up to 2 units including the master unit					
PROTECTION FUNCTION						
OVP	10% to 110% of rated output voltage range					
OCP	10% to 110% of rated output current range					
OHP	Activated by elevated internal temperatures					
FRONT PANEL DISPLAY ACCURACY						
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
ENVIRONMENT CONDITION						
Operation Temp	0℃ to 50℃					
Storage Temp	-25℃ to 70℃					
Operating Humidity	20% to 85% RH					
Storage Humidity	90% RH or Less					
TEMPERATURE COEFFICIENT (after 30 Minutes Warm Up)						
Voltage	100ppm/℃					
Current	200ppm/℃					
OTHER						
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-0000GD18H

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.

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.

OPTIONAL ACCESSORIES

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

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GW INSTEK

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