

# Programmable DC Power Supplies

**GW INSTEK**



## PSH-Series

- High Power, 360 ~ 1000 Watts.
- Up to 60V.
- Up to 100A.
- GPIB or RS-232.

		PSH-1036 PSH-2018 PSH-3610 PSH-6006	PSH-1070 PSH-2035 PSH-3620 PSH-6012	PSH-10100 PSH-2050 PSH-3630 PSH-6018
<b>DC Output</b>	10V 20V 36V 60V	36A (PSH-1036) 18A (PSH-2018) 10A (PSH-3610) 6A (PSH-6006)	70A (PSH-1070) 35A (PSH-2035) 20A (PSH-3620) 12A (PSH-6012)	100A (PSH-10100) 50A (PSH-2050) 30A (PSH-3630) 18A (PSH-6018)
<b>Regulation (CV)</b>	Load Line	≤ 0.1% + 5mV ≤ 0.05% + 5mV	≤ 0.1% + 5mV ≤ 0.05% + 5mV	≤ 0.1% + 5mV ≤ 0.05% + 5mV
<b>Regulation (CC)</b>	Load Line	≤ 0.2% + 5mA ≤ 0.2% + 5mA	≤ 0.2% + 10mA ≤ 0.2% + 10mA	≤ 0.2% + 15mA ≤ 0.2% + 15mA
<b>Ripple &amp; Noise</b>	Voltage (mVrms) Voltage (mVp-p) Current (mArms)	≤ 10mVrms ≤ 100mVp-p (20Hz ~ 20MHz) ≤ 0.2%	≤ 10mVrms ≤ 100mVp-p (20Hz ~ 20MHz) ≤ 0.2% + 20mA	≤ 10mVrms ≤ 100mVp-p (20Hz ~ 20MHz) ≤ 0.2% + 40mA
<b>Resolution</b>	Voltage ≤ 36V > 36V Current 10V 20V 36V 60V	10mV 20mV 10mA 10mA 10mA 10mA	10mV 20mV 20mA 10mA 10mA 10mA	10mV 20mV 30mA 20mA 10mA 10mA
<b>Program Accuracy</b>	Voltage ≤ 36V > 36V Current 10V 20V 36V 60V	≤ 0.05% + 25mV ≤ 0.05% + 50mV ≤ 0.2% + 30mA ≤ 0.2% + 30mA ≤ 0.2% + 30mA ≤ 0.2% + 30mA	≤ 0.05% + 25mV ≤ 0.05% + 50mV ≤ 0.2% + 60mA ≤ 0.2% + 30mA ≤ 0.2% + 30mA ≤ 0.2% + 30mA	≤ 0.05% + 25mV ≤ 0.05% + 50mV ≤ 0.2% + 90mA ≤ 0.2% + 60mA ≤ 0.2% + 30mA ≤ 0.2% + 30mA
<b>Readback (Meter) Resolution</b>	Voltage Current	As Resolution As Resolution	As Resolution As Resolution	As Resolution As Resolution
<b>Readback (Meter) Accuracy</b>	Voltage Current	As Prog. Accuracy As Prog. Accuracy	As Prog. Accuracy As Prog. Accuracy	As Prog. Accuracy As Prog. Accuracy
<b>Readback Temp. Coeff.</b>	Voltage (25 ± 5°C)	≤ 100ppm / °C	≤ 100ppm / °C	≤ 100ppm / °C
<b>Response (Rise/Fall) Time</b>	Voltage Up (10% ~ 90%) Voltage Down (90% ~ 10%)	≤ 150mS (≤ 95% Rating Load) ≤ 150mS (≥ 10% Rating Load)		
<b>Recovery Time (50% Step Load Change From 25% ~ 75%)</b>	CV Mode	≤ 2mS		
<b>Protection</b>	OVP / OCP / OTP Rush Current	Y Y	Y Y	Y Y
<b>Output On/Off Control</b>		Y	Y	Y
<b>Interface</b>		Standard: RS-232C; Option: GPIB (IEEE-488.2) Unable to be Installed Simultaneously		
<b>Power Source</b>		AC90V ~ 250V, 50/60Hz		
<b>Accessories</b>		Instruction Manual x 1		
<b>Dimensions</b>		108 (W) x 141 (H) x 388 (D) mm, 3.3kg	188 (W) x 141 (H) x 388 (D) mm, 6.2kg	268 (W) x 141 (H) x 388 (D) mm, 9.3kg

### ORDERING INFORMATION

PSH-1036	360W Prog. Switching DC Power Supply.	PSH-3620	720W Prog. Switching DC Power Supply.
PSH-1070	700W Prog. Switching DC Power Supply.	PSH-3630	1080W Prog. Switching DC Power Supply.
PSH-10100	1000W Prog. Switching DC Power Supply.	PSH-6006	360W Prog. Switching DC Power Supply.
PSH-2018	360W Prog. Switching DC Power Supply.	PSH-6012	720W Prog. Switching DC Power Supply.
PSH-2035	700W Prog. Switching DC Power Supply.	PSH-6018	1080W Prog. Switching DC Power Supply.
PSH-2050	1000W Prog. Switching DC Power Supply.	Option 01	GPIB Interface (Factory Installed).
PSH-3610	360W Prog. Switching DC Power Supply.	GRA-403	Rack Mount Adaptor.



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