

# Programmable Switching D.C. Power Supply



## PSH-Series



### FEATURES

- \* Wide Input Voltage Range and High Power Factor (P.F)
- \* High Efficiency and High Power Density
- \* Constant Voltage and Constant Current Operation
- \* Over Voltage , Over Current and Over Temperature Protection
- \* Self-Test and Software Calibration
- \* Output ON/OFF Control
- \* Low Ripple and Noise
- \* LCD Display
- \* Built-in Buzzer Alarm
- \* Standard Interface : RS-232C
- \* Optional Interface : GPIB ( IEEE-488.2 )
- \* LabVIEW Driver

The PSH-Series are single output from 360 to 1080W, programmable switching DC power supplies. OVP, OCP and OTP protect the power supply and loads from unexpected conditions. Remote sensing adds an extra level of precision by compensating cable losses between loads. The bright LCD with simultaneous parameter outputs allows effortless operation. Self-test and software calibration features also reduce maintenance overheads. SCPI commands and LabVIEW driver access through the RS-232C or the optional GPIB interface allow remote control and ATE software development capability. Modular architecture, dedicated rear-panel output, and the 19 inch 4U rack mounting option ensure that the PSH-Series is optimized for large systems.

### SPECIFICATIONS

	PSH-2018A	PSH-3610A	PSH-3620A	PSH-3630A
<b>OUTPUT</b>				
Voltage	20V	36V	36V	36V
Current	18A	10A	20A	30A
<b>REGULATION ( C.V. )</b>				
Load	≤ 0.1%+5mV	≤ 0.1%+5mV	≤ 0.1%+5mV	≤ 0.1%+5mV
Line	≤ 0.05%+5mV	≤ 0.05%+5mV	≤ 0.05%+5mV	≤ 0.05%+5mV
<b>REGULATION ( C.C. )</b>				
Load	≤ 0.2%+5mA	≤ 0.2%+5mA	≤ 0.2%+10mA	≤ 0.2%+15mA
Line	≤ 0.2%+5mA	≤ 0.2%+5mA	≤ 0.2%+10mA	≤ 0.2%+15mA
<b>RIPPLE &amp; NOISE</b>				
Voltage (mVrms)	≤ 10mVrms	≤ 10mVrms	≤ 10mVrms	≤ 10mVrms
Voltage (mVp-p)	≤ 100mVp-p	≤ 100mVp-p	≤ 100mVp-p	≤ 100mVp-p
Current (mA rms)	≤ 0.2%	≤ 0.2%	≤ 0.2%	≤ 0.2%
<b>RESOLUTION</b>				
Voltage	≤36V 20mV	10mV 20mV	10mV 20mV	10mV 20mV
Current	10V 20V 36V 60V	10mA 10mA 10mA 10mA	20mA 10mA 10mA 10mA	30mA 20mA 10mA 10mA
<b>PROGRAM ACCURACY</b>				
Voltage	≤36V >36V	≤ 0.05%+25mV ≤ 0.05%+50mV	≤ 0.05%+25mV ≤ 0.05%+50mV	≤ 0.05%+25mV ≤ 0.05%+50mV
Current	10V 20V 36V 60V	≤ 0.2%+30mA ≤ 0.2%+30mA ≤ 0.2%+30mA ≤ 0.2%+30mA	≤ 0.2%+30mA ≤ 0.2%+30mA ≤ 0.2%+30mA ≤ 0.2%+30mA	≤ 0.2%+90mA ≤ 0.2%+60mA ≤ 0.2%+30mA ≤ 0.2%+30mA
<b>REARBACK ( Meter ) RESOLUTION</b>				
Voltage	Same as Resolution	Same as Resolution	Same as Resolution	As Resolution
Current	Same as Resolution	Same as Resolution	Same as Resolution	As Resolution
<b>REARBACK ( Meter ) ACCURACY</b>				
Voltage	Same as Program Accuracy	Same as Program Accuracy	Same as Program Accuracy	As Program Accuracy
Current	Same as Program Accuracy	Same as Program Accuracy	Same as Program Accuracy	As Program Accuracy
<b>REARBACK TEMP. COEFFICIENT</b>				
Voltage (25 ± 5 °C)	≤ 100ppm/°C	≤ 100ppm/°C	≤ 100ppm/°C	≤ 100ppm/°C
<b>RESPONSE ( Rise/Fall ) TIME</b>				
Voltage Up (10%~90%)	≤ 150mS	≤ 150mS	≤ 150mS	≤ 150mS
Voltage Down (90%~10%)	≤ 150mS	≤ 150mS	≤ 150mS	≤ 150mS
<b>RECOVERY TIME (50% Step Load Change From 25%~75%)</b>				
CV Mode	≤ 2mS	≤ 2mS	≤ 2mS	≤ 2mS
<b>PROTECTION</b>				
OVP/OCP/OTP	✓	✓	✓	✓
Rush Current	✓	✓	✓	✓
<b>OUTPUT ON/OFF CONTROL</b>				
	✓	✓	✓	✓
<b>INTERFACE</b>				
Standard : RS-232C; Optional : GPIB				
<b>POWER SOURCE</b>				
AC90V~250V, 50/60Hz				
<b>DIMENSIONS &amp; WEIGHT</b>				
	108(W)x142(H)x393(D) mm; Approx. 3.3kg	108(W)x142(H)x393(D) mm; Approx. 3.3kg	188(W)x142(H)x393(D) mm; Approx. 6.2kg	268(W)x142(H)x393(D) mm; Approx. 9.3kg

PSH-Series

POWER SUPPLIES



Rear Panel



## PSH-Series

### ORDERING INFORMATION

<b>PSH-2018A</b>	360W Programmable Switching D.C. Power Supply
<b>PSH-3610A</b>	360W Programmable Switching D.C. Power Supply
<b>PSH-3620A</b>	720W Programmable Switching D.C. Power Supply
<b>PSH-3630A</b>	1080W Programmable Switching D.C. Power Supply

ACCESSORIES :  
User manual x 1 , Power cord x 1

#### OPTION

Opt. 01: GPIB Interface ( Factory Installed)

#### OPTIONAL ACCESSORIES

<b>GRA-403</b>	Rack Adapter Panel (19" , 4U)
<b>GTL-232</b>	RS-232C Cable, 9-pin Female to 9-pin, null Modem for Computer
<b>GTL-251</b>	GPIB-USB-HS(High Speed)

#### FREE DOWNLOAD

<b>PC Software Driver</b>	PC Software including Data Log ; Remote Control Software Labview Driver
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Note : When Opt.01 GPIB interface is ordered, the standard interface RS-232C will be deleted.

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POWER SUPPLIES