

Programmable Switching D.C. Power Supply



PSH-Series



The PSH-Series is single output from 360W 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 overhead. 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.

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

SPECIFICATIONS

	PSH-2018A	PSH-3610A	PSH-3620A	PSH-3630A
OUTPUT				
Voltage	20V	36V	36V	36V
Current	18A	10A	20A	30A
REGULATION (C.V.)				
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
REGULATION (C.C.)				
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
RIPPLE & NOISE				
Voltage (mVrms)	≤ 10mVrms	≤ 10mVrms	≤ 10mVrms	≤ 10mVrms
Voltage (mVp-p)	≤ 100mVp-p	≤ 100mVp-p	≤ 100mVp-p	≤ 100mVp-p
Current (mA Arms)	20Hz~20MHz	20Hz~20MHz	20Hz~20MHz	20Hz~20MHz
Current (mA Arms)	≤ 0.2%	≤ 0.2%	≤ 0.2%+20mA	≤ 0.2%+40mA
RESOLUTION				
Voltage	10mV	10mV	10mV	10mV
Current	10mA	10mA	10mA	10mA
PROGRAM ACCURACY				
Voltage	≤ 0.05%+25mV	≤ 0.05%+25mV	≤ 0.05%+25mV	≤ 0.05%+25mV
Current	≤ 0.2%+30mA	≤ 0.2%+30mA	≤ 0.2%+30mA	≤ 0.2%+30mA
REARBACK RESOLUTION (Meter)				
Voltage	Same as Resolution	Same as Resolution	Same as Resolution	As Resolution
Current	Same as Resolution	Same as Resolution	Same as Resolution	As Resolution
REARBACK ACCURACY (Meter)				
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
REARBACK TEMP. COEFFICIENT				
Voltage (25 ± 5 °C)	≤ 100ppm/°C	≤ 100ppm/°C	≤ 100ppm/°C	≤ 100ppm/°C
RESPONSE (Rise/Fall) TIME				
Voltage Up (10%~90%)	≤ 150mS	≤ 150mS	≤ 150mS	≤ 150mS
(≤ 95% rating load)	≤ 150mS	≤ 150mS	≤ 150mS	≤ 150mS
Voltage Down (90%~10%)	≤ 150mS	≤ 150mS	≤ 150mS	≤ 150mS
(≥ 10% rating load)	≤ 150mS	≤ 150mS	≤ 150mS	≤ 150mS
RECOVERY TIME (50% Step Load Change From 25%~75%)				
CV Mode	≤ 2mS	≤ 2mS	≤ 2mS	≤ 2mS
PROTECTION				
OVP/OCP/OTP	✓	✓	✓	✓
Rush Current	✓	✓	✓	✓
OUTPUT ON/OFF CONTROL				
	✓	✓	✓	✓
INTERFACE				
Standard	RS-232C; Optional : GPIB			
POWER SOURCE				
AC90V~250V, 50/60Hz				
DIMENSIONS & WEIGHT				
	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



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Rear Panel



ORDERING INFORMATION

- PSH-2018A** 360W Programmable Switching D.C. Power Supply
- PSH-3610A** 360W Programmable Switching D.C. Power Supply
- PSH-3620A** 720W Programmable Switching D.C. Power Supply
- PSH-3630A** 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

- CRA-403** Rack Adapter Panel (19" , 4U)
- GTL-232** RS-232C Cable, 9-pin Female to 9-pin, null Modem for Computer
- GTL-251** GPIB-USB-HS(High Speed)
- GTL-122** Test Lead, U-type to Alligator Test Lead, Max. Current 40A, 1200mm
- GTL-248** GPIB Cable, Double Shielded, 2000mm

FREE DOWNLOAD

- PC Software** PC Software including Data Log ; Remote Control Software
- Driver** Labview Driver

Note : When Opt.01 GPIB interface is ordered, the standard interface RS-232C will be deleted.