

ARTISAN®
TECHNOLOGY GROUP

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Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
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so your equipment works exactly as you specify.

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Find the *Instek PSH-6018A* at our website: ***Click HERE***

Programmable Switching D.C. Power Supply



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
* Option : GPIB (IEEE-488.2)
* Labview Driver

PSH-Series

SPECIFICATIONS				
OUTPUT	10V	36A(PSH-1036)	70A(PSH-1070)	100A(PSH-10100)
	20V	18A(PSH-2018)	35A(PSH-2035)	50A(PSH-2050)
	36V	10A(PSH-3610)	20A(PSH-3620)	30A(PSH-3630)
	60V	6A(PSH-6006)	12A(PSH-6012)	18A(PSH-6018)
REGULATION (CV)	Load Line	≦ 0.1%+5mV ≦ 0.05%+5mV	≦ 0.1%+5mV ≦ 0.05%+5mV	≦ 0.1%+5mV ≦ 0.05%+5mV
REGULATION (CC)	Load Line	≦ 0.2%+5mA ≦ 0.2%+5mA	≦ 0.2%+10mA ≦ 0.2%+10mA	≦ 0.2%+15mA ≦ 0.2%+15mA
RIPPLE & NOISE	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
RESOLUTION	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
PROGRAM ACCURACY	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
READBACK (Meter) RESOLUTION	Voltage Current	As Resolution As Resolution	As Resolution As Resolution	As Resolution As Resolution
READBACK (Meter) ACCURACY	Voltage Current	As Program Accuracy As Program Accuracy	As Program Accuracy As Program Accuracy	As Program Accuracy As Program Accuracy
READBACK TEMP. COEFFICIENT	Voltage (25±5℃)	≦ 100ppm/ °C	≦100ppm/ °C	≦100ppm/ °C
RESPONSE (Rise/Fall) TIME	Voltage Up(10%~90%) Voltage Down(90%~10%)	≦ 150mS(≦95% rating load) ≦ 150mS(≧10% rating load)	≦ 150mS(≦95% rating load) ≦150mS(≧ 10% rating load)	≦ 150mS(≦95% rating load) ≦150mS(≧10% rating load)
RECOVERY TIME (50% Step Load Change From 25%~75%)	CV Mode	≦ 2mS	≦2mS	≦2mS
PROTECTION	OVP/OCP/OTP	V	V	V
	Rush Current	V	V	V
OUTPUT ON/OFF CONTROL		V	V	V
INTERFACE	Standard : RS-232C; Option : GPIB (IEEE-488.2)...Unable to be installed simultaneously			
POWER SOURCE	AC90V~250V, 50/60Hz			
ACCESSORY	Instruction manual x 1			
DIMENSIONS & WEIGHT		108(W)x141(H)x388(D)mm Approx. 3.3kg	188(W)x141(H)x388(D)mm Approx. 6.2kg	268(W)x141(H)x388(D)mm Approx. 9.3kg

ORDERING INFORMATION

PSH-1036 360W Programmable Switching D.C. Power Supply
PSH-1070 700W Programmable Switching D.C. Power Supply
PSH-10100 1000W Programmable Switching D.C. Power Supply
PSH-2018 360W Programmable Switching D.C. Power Supply
PSH-2035 700W Programmable Switching D.C. Power Supply
PSH-2050 1000W Programmable Switching D.C. Power Supply
PSH-3610 360W Programmable Switching D.C. Power Supply
PSH-3620 720W Programmable Switching D.C. Power Supply
PSH-3630 1080W Programmable Switching D.C. Power Supply
PSH-6006 360W Programmable Switching D.C. Power Supply
PSH-6012 720W Programmable Switching D.C. Power Supply
PSH-6018 1080W Programmable Switching D.C. Power Supply

Option
Opt. 01: GPIB Interface (Factory Installed)

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

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