

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 | ≤ 0.1%+5mV | ≤ 0.1%+5mV | ≤ 0.1%+5mV |
| | Line | ≤ 0.05%+5mV | ≤ 0.05%+5mV | ≤ 0.05%+5mV |
| REGULATION (CC) | Load | ≤ 0.2%+5mA | ≤ 0.2%+10mA | ≤ 0.2%+15mA |
| | Line | ≤ 0.2%+5mA | ≤ 0.2%+10mA | ≤ 0.2%+10mA |
| RIPPLE & NOISE | Voltage (mVrms) | ≤ 10mVrms | ≤ 10mVrms | ≤ 10mVrms |
| | Voltage (mVp-p) | ≤ 100mVp-p 20Hz~20MHz | ≤ 100mVp-p 20Hz~20MHz | ≤ 100mVp-p 20Hz~20MHz |
| | Current (mArms) | ≤ 0.2% | ≤ 0.2%+20mA | ≤ 0.2%+40mA |
| RESOLUTION | Voltage ≤36V | 10mV | 10mV | 10mV |
| | Voltage >36V | 20mV | 20mV | 20mV |
| | Current 10V | 10mA | 20mA | 30mA |
| | Current 20V | 10mA | 10mA | 20mA |
| | Current 36V | 10mA | 10mA | 10mA |
| | Current 60V | 10mA | 10mA | 10mA |
| PROGRAM ACCURACY | Voltage ≤36V | ≤ 0.05%+25mV | ≤ 0.05%+25mV | ≤ 0.05%+25mV |
| | Voltage >36V | ≤ 0.05%+50mV | ≤ 0.05%+50mV | ≤ 0.05%+50mV |
| | Current 10V | ≤ 0.2%+30mA | ≤ 0.2%+60mA | ≤ 0.2%+90mA |
| | Current 20V | ≤ 0.2%+30mA | ≤ 0.2%+30mA | ≤ 0.2%+60mA |
| | Current 36V | ≤ 0.2%+30mA | ≤ 0.2%+30mA | ≤ 0.2%+30mA |
| | Current 60V | ≤ 0.2%+30mA | ≤ 0.2%+30mA | ≤ 0.2%+30mA |
| READBACK (Meter) RESOLUTION | Voltage | As Resolution | As Resolution | As Resolution |
| | Current | As Resolution | As Resolution | As Resolution |
| READBACK (Meter) ACCURACY | Voltage | As Program Accuracy | As Program Accuracy | As Program Accuracy |
| | Current | As Program Accuracy | As Program Accuracy | As Program Accuracy |
| READBACK TEMP. COEFFICIENT | Voltage (25 ± 5°C) | ≤ 100ppm/ °C | ≤ 100ppm/ °C | ≤ 100ppm/ °C |
| RESPONSE (Rise/Fall) TIME | Voltage Up(10%~90%) | ≤ 150mS(≤95% rating load) | ≤ 150mS(≤95% rating load) | ≤ 150mS(≤95% rating load) |
| | Voltage Down(90%~10%) | ≤ 150mS(≥10% rating load) | ≤ 150mS(≥10% rating load) | ≤ 150mS(≥10% rating load) |
| RECOVERY TIME (50% Step Load Change From 25%~75%) | CV Mode | ≤ 2mS | ≤ 2mS | ≤ 2mS |
| PROTECTION | OVP/OCP/OTP | ✓ | ✓ | ✓ |
| | Rush Current | ✓ | ✓ | ✓ |
| OUTPUT ON/OFF CONTROL | | ✓ | ✓ | ✓ |
| 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.