

Switching Power Supply

PS-1230 / 1820 / 2415 / 3610 / 6006



FEATURE

- A wide AC input voltage 108V – 132V (for 120V) or 196V-264V (for 230V).
- High frequency operation reduces the size of power transformer.
- Small size, light weight and high power in small area.
- Efficiency is greater than 72%.
- Automatic control for voltage and constant current modes
- Zero adjustment for the output of voltage and current.

TECHNICAL SPECIFICATIONS

Main Supply : 120V±10% 50/60Hz or 230V ±15% (factory set)

MODEL	MAX. RATING		Weight	Dimension(mm)
MODEL	Voltage	Current	Weight	Dimension(mm)
PS1230	12V	30A	3.88kg	310 x 138 x 155
PS1820	18V	20A	3.85kg	310 x 138 x 155
PS2415	24V	15A	3.85kg	310 x 138 x 155
PS3610	36V	10A	3.85kg	310 x 138 x 155
PS6006	60V	6A	3.8kg	310 x 138 x 155

Input Rating : 500 Watts / 900 VA

Fuse Style & Rating: : 120V -- T10A 250V

230V -- T6.3A 250V

WARNING: Voltage over 60V DC is a lethal shock hazard to the user.

Be careful when connecting power supplies in series to achieve voltages higher than 60V DC or 60V DC between any connection terminal and earth ground.

Operation Environment : Indoor use

Altitude up to 2000m

Operation Temperature & Humidity: 0° C to 40° C (32° F to 104° F) @ 80%

Storage Temperature & Humidity: -10° C to 70° C (14° F to 158° F) @ 70%

Standard Accessory: Instruction Manual, Test Leads, Spare Fuse

Constant Voltage Operation

No	ITEM	PS1230	PS1820	PS2415	PS3610	PS6006
1	Voltage Output	0~12V	0~18V	0~24V	0~36V	0~60V
2	Line Regulation	≤5mV	≤5mV	≤5mV	≤5mV	≤5mV
3	Load Regulation	≤5mV	≤5mV	≤5mV	≤5mV	≤5mV
4	Ripple	≤5mVrms	≤5mVrms	≤5mVrms	≤5mVrms	≤5mVrms
5	Ripple & Noise	≤100mVp-p	≤100mVp-p	≤100mVp-p	≤100mVp-p	≤100mVp-p

Constant Current Operation

No	ITEM	PS1230	PS1820	PS2415	PS3610	PS6006
1	Current Output	30A Max	20A Max	15A Max	10A max	6A max
2	Line Regulation	≤3mA	≤3mA	≤3mA	≤3mA	≤3mA
3	Load Regulation	≤3mA	≤3mA	≤3mA	≤3mA	≤3mA
4	Ripple & Noise	≤5mArms	≤5mArms	≤5mArms	≤5mArms	≤5mArms