

Datasheet

Switching D.C. Power Supply

Stock No. :	Model :
123-3577	IPS-1820D
123-3578	IPS-3610D
123-3579	IPS-606D



FEATURES

- Dual Measurement Display
- 0.01 % High Regulation
- Constant Voltage and Constant Current Operation
- High Efficiency
- High Power Density
- Over Voltage Protection
- Remote Output ON/OFF Control



The IPS-Series is single output, 360W, switching DC power supply. OVP protects the IPS-Series and their load from unexpected conditions. High regulation is maintained at 0.01%. Remote sensing adds an extra level of precision by compensating cable losses between loads. Turning the output On/Off from external device is available through Remote control terminals. The IPS-Series is an ideal solution for power-efficient bench-top or portable applications requiring high regulation.

SPECIFICATIONS			
OUTPUT			
	IPS-1820D	IPS-3610D	IPS-606D
Voltage	0 ~ 18V	0 ~ 36V	0 ~ 60V
Current	0 ~ 20A	0 ~ 10A	0 ~ 6A
CONSTANT VOLTAGE OPERATION			
Regulation	Line regulation $\leq 5\text{mV}$ Load regulation $\leq 5\text{mV}$		
Ripple & Noise	$\leq 5\text{mVrms}$, 100mVp-p 20Hz ~ 20MHz		
Recovery Time	$\leq 500\mu\text{S}$ (50% Load change, Minimum load 0.5A)		
Temp. Coefficient	$\leq 100\text{ppm}/^\circ\text{C}$		
Output Range	0 to rating voltage continuously adjustable		
CONSTANT CURRENT OPERATION			
Regulation	Line regulation $\leq 3\text{mA}$ Load regulation $\leq 3\text{mA}$		
Ripple Current	$\leq 3\text{mA}_{\text{rms}}$ (SPS-606) $\leq 5\text{mA}_{\text{rms}}$ (SPS-3610) $\leq 10\text{mA}_{\text{rms}}$ (SPS-2415) $\leq 10\text{mA}_{\text{rms}}$ (SPS-1820) $\leq 30\text{mA}_{\text{rms}}$ (SPS-1230)		
Output Range	0 to rating current continuously adjustable (HI/LO range switchable)		
METER			
Type	3 1/2 digit, 0.39" LED display		
Accuracy	$\pm (0.5\% \text{ of rdg} + 2\text{digits})$		
INSULATION			
Chassis and Terminal	20M Ω or above (DC 500V)		
Chassis and AC Cord	30M Ω or above (DC 500V)		
POWER SOURCE			
AC 115V/ 230V $\pm 15\%$, 50/60Hz			
DIMENSIONS & WEIGHT			
128(W) x 151(H) x 295(D) mm, Approx. 3.2kg			

ORDERING INFORMATION

IPS-1820D 360W Switching D.C. Power Supply
IPS-3610D 360W Switching D.C. Power Supply
IPS-606D 360W Switching D.C. Power Supply

ACCESSORIES :

User manual x 1 , Power cord x 1 , Test lead GTL-203A x 1



P. O. Box 99
Corby
Northants NN17 9RS
England
Tel: +44(0) 1536 201234