

Datasheet

Linear D.C. Power Supply

Stock No. : Model :

123-3562 **IPS-1603D**

124-0234 **IPS-1820HD**



FEATURES

- 0.01% High Regulation
- Constant Voltage and Constant Current Operation
- Internal Select for Continuous or Dynamic Load
- Low Ripple and Noise
- Overload and Reverse Polarity protection
- 3 1/2 Digit 0.5" LED Display

The IPS-1603D/1820HD is single output, 180W/360W, the IPS-1603D/1820HD is suitable for high-end precision bench top applications. Low load and line regulation for both constant voltage and constant current mode ensure reliable, predictable output. Overload and reverse polarity protection as well as internal selection for dynamic or constant load are standard.

SPECIFICATIONS	
CONSTANT VOLTAGE OPERATION	
Regulation	Line regulation $\leq 0.01\% + 3\text{mV}$ Load regulation $\leq 0.01\% + 5\text{mV}$ ($<10\text{A}$) Load regulation $\leq 0.02\% + 5\text{mV}$ ($\geq 10\text{A}$)
Ripple & Noise	$\leq 1\text{mVrms}$ 5Hz ~ 1MHz
Recovery Time	$\leq 100\mu\text{S}$ (50% load change, minimum load 0.5A)
Output Range	0 to rating voltage continuously adjustable
CONSTANT CURRENT OPERATION	
Regulation	Line regulation $\leq 0.2\% + 3\text{mA}$ Load regulation $\leq 0.2\% + 3\text{mA}$
Ripple Current	$\leq 3\text{mA}_{\text{rms}}$
Output Range	0 to rating current continuously adjustable
METER	
Digital	3 1/2 Digits 0.5" LED display Accuracy $\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$
INSULATION	
Chassis and Terminal	$20\text{M}\Omega$ or above (DC 500V)
Chassis and AC Cord	$30\text{M}\Omega$ or above (DC 500V)
POWER SOURCE	
AC 100V/120V/220V/240V $\pm 10\%$, 50/60Hz	
DIMENSIONS	
254(W) x 152(H) x 349(D) mm	

ORDERING INFORMATION				
Model		Output Volts (V)	Output Amps (A)	Weight (kg)
IPS-1603D	180W D.C. Power Supply	0 ~ 60	0 ~ 3	11.5
IPS-1820HD	180W D.C. Power Supply	0 ~ 18	0 ~ 20	11.5

ACCESSORIES :

User manual x 1 , Power cord x 1
Test lead GTL-105A x 1 (IPS-1603D)
GTL-104A x 1 (IPS-1820HD)