

# Datasheet

## Linear D.C. Power Supply

Stock No. :    Model :  
123-3564    **IPS-303DD**  
123-3563    **IPS-303A**



### FEATURES

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- Light and Compact Design
  - 0.01% High Regulation
  - Constant Voltage and Constant Current Operation
  - Remote Control for External Programmability
  - Internal Select for Continuous or Dynamic Load
  - Low Ripple and Noise
  - Overload and Reverse Polarity Protection
  - Series or Parallel Operation
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The IPS-303X Series is single output, 90W, linear DC Power Supply, which include both analog and digital display meters with varying power outputs. The IPS-303X features overload and reverse polarity protection as well as high regulation and low ripple/noise that are maintained at 0.01% and < 1mVrms, respectively. Continuous or dynamic internal load selection accommodates applications such as pulsed current. Remote control terminals offer programming and operation from an external device.

<b>SPECIFICATIONS</b>	
<b>CONSTANT VOLTAGE OPERATION</b>	
<b>Regulation</b>	Line regulation $\leq 0.01\% + 3\text{mV}$ Load regulation $\leq 0.01\% + 3\text{mV}$ (rating current $\leq 3\text{A}$ ) $\leq 0.01\% + 5\text{mV}$ (rating current $> 3\text{A}$ )
<b>Ripple &amp; Noise</b>	$\leq 0.5\text{mVrms}$ 5Hz ~ 1MHz (rating current $\leq 3\text{A}$ ) $\leq 1\text{mVrms}$ 5Hz ~ 1MHz (rating current $> 3\text{A}$ )
<b>Recovery Time</b>	$\leq 100\mu\text{S}$ ( 50% load change, minimum load 0.5A )
<b>Temp. Coefficient</b>	$\leq 300\text{ ppm } / ^\circ\text{C}$
<b>Output Range</b>	0 to rating voltage continuously adjustable
<b>CONSTANT CURRENT OPERATION</b>	
<b>Regulation</b>	Line regulation $\leq 0.2\% + 3\text{mA}$ Load regulation $\leq 0.2\% + 3\text{mA}$
<b>Ripple Current</b>	$\leq 3\text{mA rms}$
<b>Output Range</b>	0 to rating current continuously adjustable ( Hi / Lo range switchable )
<b>METER</b>	
<b>Analog</b>	V-meter and I-meter 2.5 class Dimensions 50 x 50 mm
<b>Digital</b>	3 1/2 digits 0.5" LED display (GPS-1830D/1850D/3030D) 3 1/2 digits 0.39" LED display (GPS-3030DD) Accuracy $\pm ( 0.5\% \text{ of rdg} + 2 \text{ digits} )$
<b>INSULATION</b>	
<b>Chassis and Terminal</b>	20M $\Omega$ or above ( DC 500V )
<b>Chassis and AC Cord</b>	30M $\Omega$ or above ( DC 500V )
<b>POWER SOURCE</b>	
AC 100V/120V/220V/240V $\pm 10\%$ , 50/60Hz	
<b>DIMENSIONS</b>	
128(W) x 145(H) x 285(D) mm	

<b>ORDERING INFORMATION</b>				
	<b>Model</b>	<b>Output Volts(V)</b>	<b>Output Amps(A)</b>	<b>Weight (kg)</b>
	<b>IPS-303DD</b> 90W D.C. Power Supply	0 ~ 30	0 ~ 3	5
	<b>IPS-303A</b> 90W D.C. Power Supply	0 ~ 30	0 ~ 3	5
<b>ACCESSORIES</b>				
User manual x 1 , Power cord x 1 Test lead GTL-105A x 1 ( $\leq 3\text{A}$ ) or GTL-104A x 1 ( $\leq 10\text{A}$ )				



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