

Datasheet

Multiple Output Linear D.C. Power Supply

Stock No. : Model :

123-3567 IPS-4303
123-3566 IPS-3303
123-3565 IPS-2303



FEATURES

- 2, 3 and 4 Independent Isolated Output
- Four "3 Digits" LED Displays
- 0.01% Load and Line Regulation
- Low Ripple and Noise
- Tracking Operation and Auto Series/Parallel Operation
- Output ON/OFF Switch
- Output Voltage and Current Setting When Output Disable (Except for IPS-2303)
- Fan Speed Control Circuit to Minimize Fan Noise
- Over Load and Reverse Polarity Protection



The IPS-Series linear power supplies have 2-4 independent output channels, 180W to 200W output, overload and reverse polarity protection as well as an output ON/OFF switch for safety. The tracking mode switches allow voltage/current to be output in parallel or series and the intelligent fan reduces noise. The IPS-Series is entry level general purpose power supplies recognized for their affordability in education, laboratories and industry.

GPS-001

Voltage/Current protection Knob



Rear Panel



IPS-3303

SPECIFICATIONS

	IPS-4303				IPS-3303		IPS-2303	
OUTPUT MODE								
Voltage	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH1
Voltage	0 ~ 30V	2.2 ~ 5.2V	8 ~ 15V	0 ~ 30V	5V Fixed	0 ~ 30V		CH2
Current	0 ~ 3A	1A Max.	1A Max.	0 ~ 3A	3A Max.	0 ~ 3A		
Tracking Series Voltage	0 ~ 60V			---	0 ~ 60V		0 ~ 60V	
Tracking Parallel Current	0 ~ 6A				0 ~ 6A		0 ~ 6A	
CONSTANT VOLTAGE OPERATION (CH1, CH2)								
Line Regulation	$\leq 0.01\% + 3mV$							
Load Regulation	$\leq 0.01\% + 3mV$ (rating current $\leq 3A$)							
	$\leq 0.02\% + 5mV$ (rating current $> 3A$)							
Ripple & Noise	$\leq 1mV_{rms}$, 5Hz ~ 1MHz							
Recovery Time	$\leq 100\mu s$ (50% Load change, Minimum load 0.5A)							
CONSTANT CURRENT OPERATION (CH1, CH2)								
Line Regulation	$\leq 0.2\% + 3mA$							
Load Regulation	$\leq 0.2\% + 3mA$							
Ripple & Noise	$\leq 3mA_{rms}$							
TRACKING OPERATION (CH1, CH2)								
Tracking Error	$\leq 0.5\% + 10mV$ of CH1							
Series Regulation	$\leq 0.01\% + 5mV$							
Load Regulation	$\leq 300mV$							
Ripple & Noise	$\leq 2mV_{rms}$, 5Hz ~ 1MHz							
Ch3 OPERATION (for IPS-3303/4303)								
CH3 Voltage	IPS-4303 : 2.2V ~ 5.2V IPS-3303 : 5V Fix							
Line Regulation	$\leq 5mV$							
Load Regulation	$\leq 15mV$							
Ripple & Noise	$\leq 2mV_{rms}$, 5Hz ~ 1MHz							
Current Output	IPS-4303 : 1A, IPS-3303 : 3A							
Ch4 OPERATION (for IPS-4303)								
CH4 VOLTAGE	8V ~ 15V							
Line Regulation	$\leq 5mV$							
Load Regulation	$\leq 10mV$							
Ripple & Noise	$\leq 2mV_{rms}$, 5Hz ~ 1MHz							
Current Output	1A							
METER								
Digital	3 digits 0.5" LED display IPS-4303/3303 Out ON Accuracy $\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$ IPS-4303/3303 Out OFF Accuracy $\pm (0.5\% \text{ of rdg} + 8 \text{ digits})$ IPS-2303 Accuracy $\pm (0.5\% \text{ of rdg} + 2 \text{ digits})$							
INSULATION								
Chassis and Terminal	$\geq DC\ 500V / 20M\Omega$							
Chassis and AC Cord	$\geq DC\ 500V / 30M\Omega$							
POWER SOURCE								
AC 100V/120V/220V $\pm 10\%$, 230V(+10%---6%), 50/60Hz								
DIMENSIONS & WEIGHT								
255 (W) x 145(H) x 265(D) mm, Approx. 7 kg								

Specifications subject to change without notice.

ORDERING INFORMATION

- IPS-4303 4-channels, 200W Multiple Output Linear DC Power Supply
- IPS-3303 3-channels, 195W Multiple Output Linear DC Power Supply
- IPS-2303 2-channels, 180W Multiple Output Linear DC Power Supply

ACCESSORIES

- User manual x 1, Power cord x 1,
- IPS-4303 : Test lead GTL-104A x 2, GTL-105A x 2 ; European test lead GTL-203A x 2, GTL-204A x 2, GTL-201 x 1
- IPS-3303 : Test lead GTL-104A x 2, GTL-105A x 1 ; European test lead GTL-203A x 1, GTL-204A x 2, GTL-201 x 1
- IPS-2303 : Test lead GTL-104A x 2 ; European test lead GTL-204A x 2, GTL-201A x 1

OPTIONAL ACCESSORIES

- GPS-001 Voltage/Current Protection Knob