

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									
	CH1	CH2	CH3	CH4	CH1	CH2	CH3	CH1	CH2
Voltage	0 ~ 30V		2.2 ~ 5.2V	8 ~ 15V	0 ~ 30V		5V Fixed	0 ~ 30V	
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	≤ 0.01% + 3mV								
Load Regulation	≤ 0.01% + 3mV (rating current ≤ 3A) ≤ 0.02% + 5mV (rating current > 3A)								
Ripple & Noise	≤ 1mVrms, 5Hz ~ 1MHz								
Recovery Time	≤ 100µS (50% Load change, Minimum load 0.5A)								
CONSTANT CURRENT OPERATION (CH1, CH2)									
Line Regulation	≤ 0.2% + 3mA								
Load Regulation	≤ 0.2% + 3mA								
Ripple & Noise	≤ 3mArms								
TRACKING OPERATION (CH1, CH2)									
Tracking Error	≤ 0.5% + 10mV of CH1								
Series Regulation	≤ 0.01% + 5mV								
Load Regulation	≤ 300mV								
Ripple & Noise	≤ 2mVrms, 5Hz ~ 1MHz								
Ch3 OPERATION (for IPS-3303/4303)									
CH3 Voltage	IPS-4303 : 2.2V ~ 5.2V IPS-3303 : 5V Fix								
Line Regulation	≤ 5mV								
Load Regulation	≤ 15mV								
Ripple & Noise	≤ 2mVrms, 5Hz ~ 1MHz								
Current Output	IPS-4303 : 1A, IPS-3303 : 3A								
Ch4 OPERATION (for IPS-4303)									
CH4 VOLTAGE	8V ~ 15V								
Line Regulation	≤ 5mV								
Load Regulation	≤ 10mV								
Ripple & Noise	≤ 2mVrms, 5Hz ~ 1MHz								
Current Output	1A								
METER									
Digital	3 digits 0.5" LED display IPS-4303/3303 Out ON Accuracy ± (0.5% of rdg + 2 digits) IPS-4303/3303 Out OFF Accuracy ± (0.5% of rdg + 8 digits) IPS-2303 Accuracy ± (0.5% of rdg + 2 digits)								
INSULATION									
Chassis and Terminal	≥ DC 500V / 20MΩ								
Chassis and AC Cord	≥ DC 500V / 30MΩ								
POWER SOURCE									
AC 100V/120V/220V±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

OPTIONAL ACCESSORIES

GPS-001 Voltage/Current Protection Knob



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