



IP4000 Series



LCD
Display



Thin
Body



Support
SCPI

High
Resolution
at 1mV/1mA

- + 180W maximum output power
- + Low ripple/noise
- + Over voltage/over current protection
- + Multi-directional cooling system with smart fan
- + Support RS232 digital communication

Full Digital DC Stabilized Power Supply

Large Display / Portable & Durable / Stable Output



- over voltage protection
- over current protection
- over temperature protection
- short circuit protection
- accurate output
- high resolution display

regulated voltage

60V

regulated current

3A

regulated power

180W

Model	P4305	P4603
Channel	Single-channel output	
Total output power	150W	180W
Channel output	0 - 30V / 0 - 5A × 1-CH	0 - 60V / 0 - 3A × 1-CH
Display type	3.7 inch color LCD display	
Dimension (W x H x D)	117 x 194 x 295 (mm)	
Weight	Approx. 5.6 Kg	Approx. 5.8 Kg
Interface	RS232	

Large LCD Display

Easy to read parameters



○ HD LCD display
(480 × 320 pixels)

EXTENSIVE APPLICATIONS

Can be used in many situations:

Mobile / Laptop Repair, PCB / Motor Testing, Battery Charging.

High Accuracy and Resolution Input / Output.

Supports 1mV / 1mA Resolution up to Full Load.



Low ripple and noise to meet the requirements for high accuracy testing

Ripple while 30V 5A full load



0.01% Power and Load Regulation

029.9995
VDC

029.9889
VDC

owon ON

CV	Set
29.9995V	30.000V
00.000A	05.300A
00.000W	OVP:32.000V OCP:05.200A

System System Keylock Keylock On/Off On/Off Memory Memory
<> Choose Parameter Knob Modify Parameter

owon ON

CV	Set
29.9889V	30.000V
04.990A	05.300A
49.600W	OVP:32.000V OCP:05.200A

System System Keylock Keylock On/Off On/Off Memory Memory
<> Choose Parameter Knob Modify Parameter

Save up to 5 sets of parameters in memory for easy recall.

owon OFF

Memory	Set	Load
☐ M1:	SET: 12.00V 01.90A	O.P: 03.50V 01.60A
☒ M2:	SET: 05.00V 02.00A	O.P: 05.50V 02.10A
☐ M3:	SET: 09.00V 02.00A	O.P: 09.50V 02.50A
☐ M4:	SET: 12.00V 02.50A	O.P: 12.50V 02.60A
☐ M5:	SET: 24.00V 03.00A	O.P: 24.50V 03.50A

Memory Exit < > Choose Menu Knob Modify Parameter
< > Choose Parameter OK Confirm

- Stable Performance
- SCPI Protocol Support
- CE Marked



Multi-Directional Cooling System

- Smart Cooling Fan
- Ensures consistent Full Load cooling
- Extends the product life



Compact size for great portability



194mm

295mm

117mm

3.7 inch (480 x 320 pixel) HD LCD Display

System setting

Memory Key

Key lock

Main switch

Direction and confirm key

Voltage/Current adjust knob

Output ON/OFF

Channel output terminals



Model: P4305 / P4603

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Display	3.7 inch color LCD display	
Dimension	117mm(L) × 194mm (H) × 295mm (D)	
Weight	Approx. 5.6 kg	Approx. 5.8 kg
Interface	RS232	

The instrument must be operated continuously for more than 30 minutes at the specified temperature to ensure the following parameters.

Model		P4305	P4603
Rated Output (0°C-40°C)	Voltage	0 - 30V	0 - 60V
	Current	5A	3A
Load Regulation	Voltage	≤0.01%+3mV	
	Current	≤0.01% + 3mA	
Power Regulation	Voltage	≤0.01% + 3mV	
	Current	≤0.01% + 3mA	
Setting Resolution	Voltage	1mV	
	Current	1mA	
Readback Resolution	Voltage	1mV	
	Current	1mA	
Setpoint accuracy (within 12 months) (25°C±5°C)	Voltage	≤0.03% + 10mV	
	Current	≤0.1% + 5mA	
Readback Resolution (25°C±5°C)	Voltage	≤0.03% + 10mV	
	Current	≤0.1% + 5mA	
Ripple/Noise (20Hz-20MHz)	Voltage (Vp-p)	≤4mVp-p	
	Voltage (rms)	≤1mVrms	
	Current (rms)	≤4mA rms	
Output temperature coefficient (0°C-40°C)	Voltage	≤0.03% + 10mV	
	Current	≤0.1% + 5mA	
Readback temperature coefficient	Voltage	≤0.03% + 10mV	
	Current	≤0.1% + 5mA	
Response Time		100 μs	
Storage		5 groups of data	
Working Temperature		0-40°C	

Accessories and Packaging



1 P4305 / P4603

2 Power Cord

3 Fuse

4 Quick Guide

5 RS232 TO USB Module (optional)

6 Test Leads (optional)

7 Packaging

Dimension (W×H×D): 117 x 194 x 295 (mm)

Device Weight: Approx. 5.8 kg

Packaging Size (W×H×D): 265 x 197 x 412 (mm)

