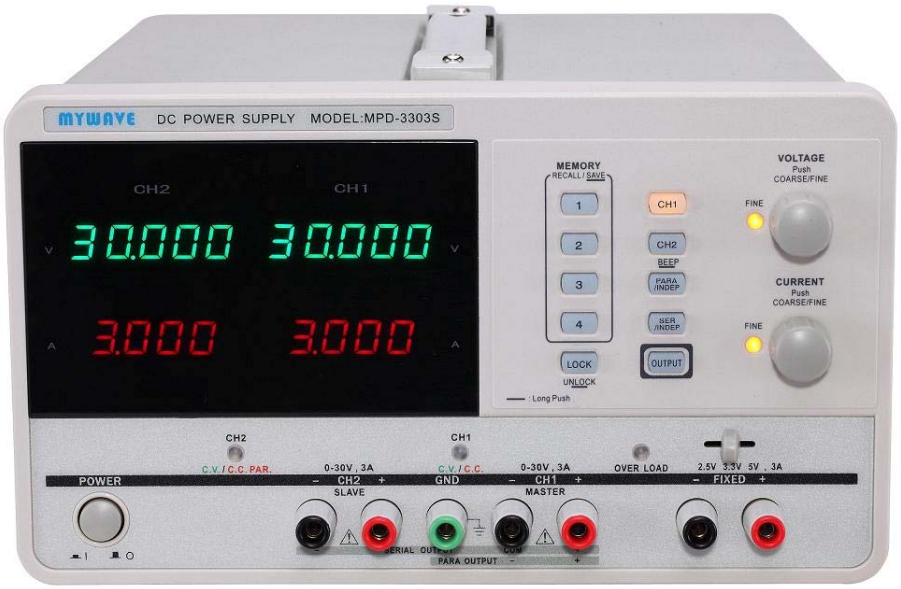
MPD-3303S
Multi-channel Programmable DC Power Supply

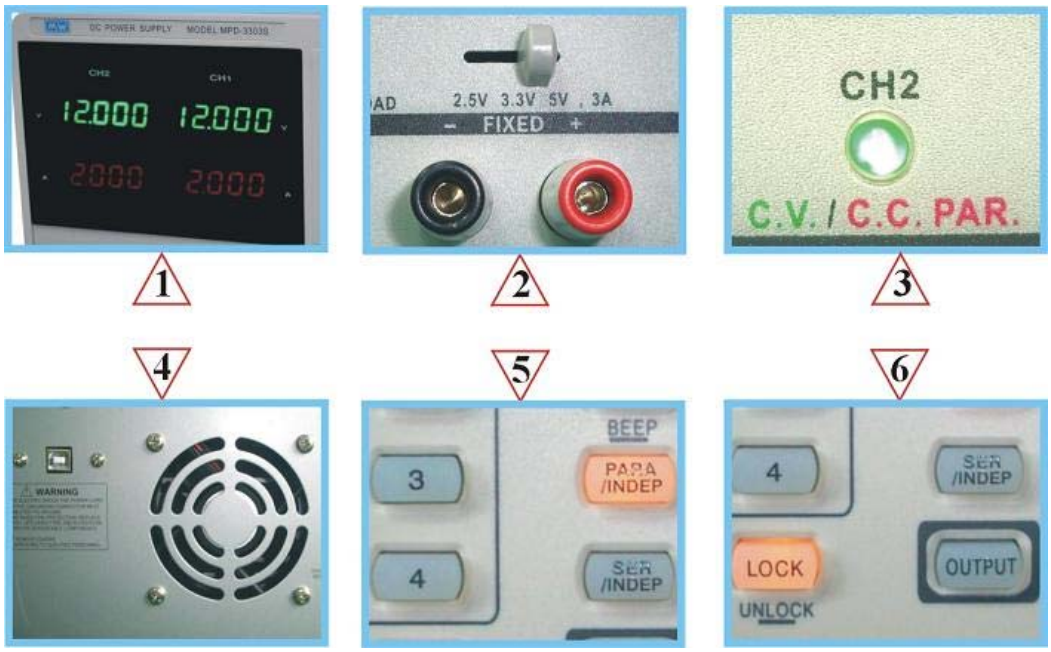


Mywave Instrument Co., Ltd.

Main Features

- 3 independent output: 30V/3A×2, 2.5V/3.3V/5V/3A×1 (fixed)
- 4 LED display: 5 digits voltage, 4 digits current
- Minimum resolution: 1mV, 1mA
- Over load and reverse polarity protections
- Digital panel control (rotary encoder switch, rubber key with indicator)
- User-friendly operation, coarse/fine control for voltage and current
- 4 sets of panel setup Save/Recall
- Key-Lock, warning buzzer, output ON/OFF
- Tracking series and parallel mode
- Software calibration
- Smart cooling fan achieving low noise
- Compact design
- Standard USB interface, PC software & USB drive

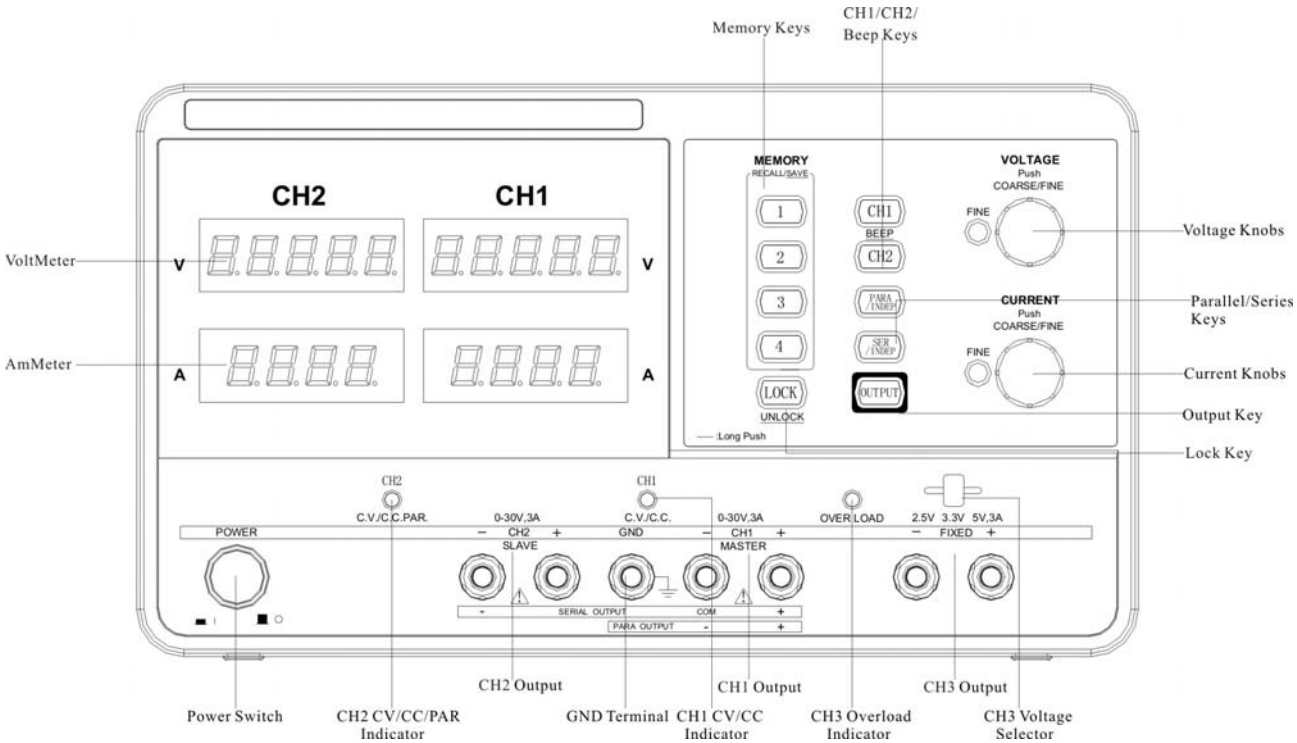
Interface Features



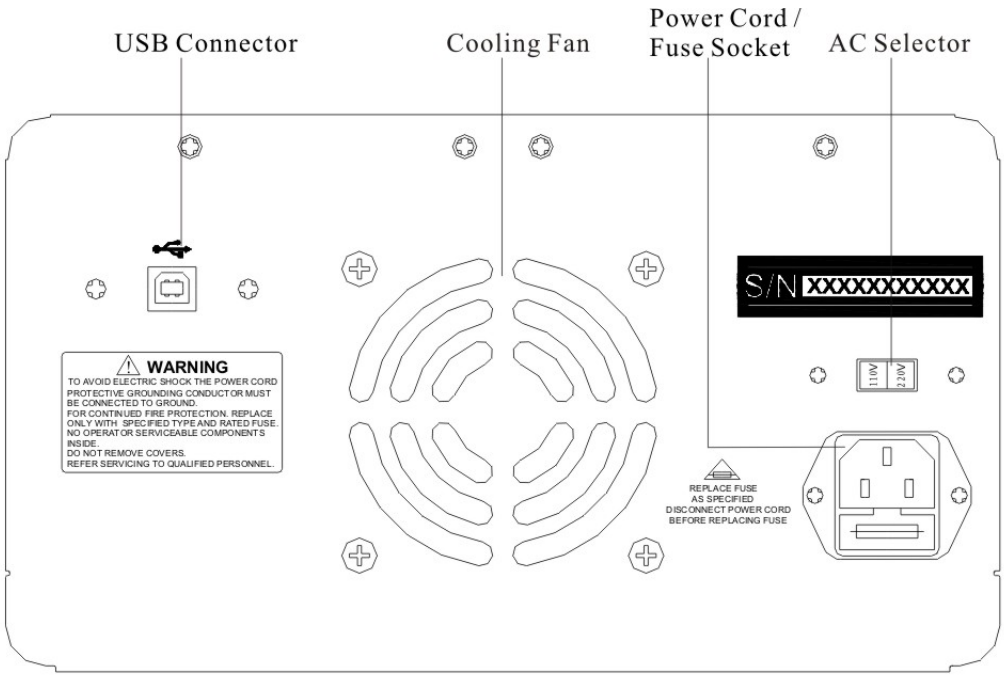
1. Bright LED display shows settings or actual level of output.
2. The independent CH3 output offers three commonly used voltage settings: 2.5, 3.3V, 5V.
3. C.V. / C.C. modes are clearly indicated in different colors.
4. Smart cooling fan control offers a well-balanced cooling mechanism, ensuring quiet operation.
5. The tracking series and parallel mod can be selected with a single touch.
6. Indicators embedded in the keys provide an instant view of the power supply status; the Key Lock feature prevents improper operation.

Front Panel and Rear Panel

Front Panel



Rear Panel



◆ Technical Specifications

Model	MPD-3303S	
	CH1&CH2	CH3
Output voltage	0~30V×2	2.5V/3.3V/5V×1
Output current	0~3A×2	3A×1(fixed)
Constant Voltage Operation		
Line regulation	≤0.01%+3mV	
Load regulation	≤0.01%+3mV (I≤3A) / ≤0.02%+5mV (I>3A)	
Recovery time	≤100us (50% load change, minimum load 0.5A)	
Ripple & Noise	≤1mV rms (I≤3A) (5Hz~1MHz) / ≤2mV rms (I>3A) (5Hz~1MHz)	
Temp. co-efficient	≤300ppm/℃	
Output range	0 to rating voltage continuously adjustable	
Constant Current Operation		
Line regulation	≤0.2%+3mA	
Load regulation	≤0.2%+3mA (I≤3A) / ≤0.2%+5mA (I>3A)	
Ripple & Noise	≤3mA rms (I≤3A) / ≤6mA rms (I>3A)	
Output range	0 to rating current continuously adjustable	
Tracking Parallel Operation		
Line regulation	≤0.01%+3mV	
Load regulation	≤0.01%+5mV (I≤3A) / ≤0.02%+10mV (I>3A)	
Tracking Series Operation		
Line regulation	≤0.01%+5mV≤0.01%+5mV	
Load regulation	≤300mV	

Tracking error	≤0.5%+10mV of the master (No load. With load, add load regulation≤300mV)
Display	
Ammeter	3.200A full scale, 4 digits 0.4-inch LED display
Voltmeter	32.000V full scale, 5 digits 0.4-inch LED display
Voltmeter resolution	1mV
Ammeter resolution	1mA
Programming accuracy (25±5℃)	±(0.03% of reading + 10mV) (0~30V) ±(0.3% of reading + 10mA (I≤3A)
Readback accuracy (25±5℃)	±(0.03% of reading + 10mV) (0~30V) ±(0.3% of reading + 10mA (I≤3A)
CH3 Specifications	
Output voltage	2.5V, 3.3V, 5V, ±8%
Output current	3A
Line regulation	≤25mV
Load regulation	≤25mV
Ripple & Noise	≤2mV rms
Protection	Over load and reverse polarity protections
Key lock	Yes
USB interface	Yes
Memory Save/Recall	4 sets of panel setup and 1 set of the memory status before closed
Insulation	Between base and output terminal≥20MΩ/500VDC Between base and power cord≥30MΩ/500VDC
Operation environment	Indoor use Altitude: ≤2000m Ambient temperature: 0~40℃ Relative humidity: ≤80% Installation category: II Pollution degree: 2
Storage environment	Ambient temperature: -10℃~70℃ Relative humidity: ≤70%
Power source	AC 110V/220V±10%, 50/60Hz
Accessories	Operation manual, Power cord, USB cable , USB interface software CD
Dimension	310(D)×250(W)×150(H)mm
Weight	7.5kg

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