



## MPD-3305C - Features and Benefits



Dimension: 310(D)×250(W)×150(H)mm  
Weight: 7.5kgs



- 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

Specifications	Model	
	MPD-3305C	
Channel	CH1&CH2	CH3
Output voltage	0~30V×2	2.5V/3.3V/5V×1
Output current	0~5A×2	3A×1(fixed)
<b>Constant Voltage Operation</b>		
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/°C	
Output range	0 to rating voltage continuously adjustable	
<b>Constant Current Operation</b>		
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	
<b>Tracking Parallel Operation</b>		
Line regulation	≤0.01%+3mV	
Load regulation	≤0.01%+5mV (I≤3A) / ≤0.02%+10mV (I>3A)	
<b>Tracking Series Operation</b>		
Line regulation	≤0.01%+5mV≤0.01%+5mV	
Load regulation	≤300mV	
Tracking error	≤0.5%+100mV of the master (No load. With load, add load regulation≤300mV)	
<b>Display</b>		
Ammeter	5.10A full scale, 3 digits 0.5-inch LED display	
Voltmeter	32.000V full scale, 5 digits 0.4-inch LED display	
Resolution	100mV;10mA	
Programming accuracy (25±5°C)	±(0.5%+2digits) (0~30V); ±(0.5%+2digits) (0~3A); ±(0.5%+5digits) (I>3A)	
Readback accuracy(25±5°C)	±(0.5%+2digits) (0~30V); ±(0.5%+3digits) (0~3A); ±(0.5%+5digits) (I>3A)	
<b>CH3 Specifications</b>		
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	No	
Memory Save/Recall	4 sets of panel setup and 1 set of the memory status before closed	