



MPD-3303S - 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-3303S | |
| Channel | 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/°C | |
| 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 | |
| Resolution | 1mV;1mA | |
| Programming accuracy (25±5°C) | ±(0.03% of reading + 10mV) (0~30V); ±(0.03% of reading + 10mA) (I≤3A) | |
| Readback accuracy(25±5°C) | ±(0.03% of reading + 10mV) (0~30V); ±(0.03% 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 | |