

Switching Mode DC Power Supply

DUAL RANGE, MULTIPLE OUTPUT



TP-2606

0~30V / 0~6A x2

0~60V / 0~3A x2

AUX.:

0.1~5V/3A



Dual
Range

Remote
Control



FEATURES

- CH1/CH2 independent adjustable outputs with dual ranges 0~30V/0~6A x2, 0~60V/0~3A x2
- CH3 0.1~5V/3A adjustable output
- Constant voltage and constant current operations, auto CV and CC switch
- Auto Series and Parallel tracking operations, providing flexible output of 30V/12A, 60V/6A or 120V/3A
- High power conversion efficiency, improving the power efficiency by 25%
- Manual and remote ON/OFF control
- Preset function, setting of voltage and current with output open circuit
- Manual over voltage protection
- Over voltage, over load, over temperature and reverse polarity protections
- Power source AC115V/230V auto switch
- Fan speed control circuit, minimizing fan acoustic noise
- Compact design, light weight
- Dual-color four digital panel meters

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SPECIFICATIONS

| | |
|------------------------------------|---|
| Model | TP-2606 |
| Rated output (0°C~40°C) | |
| CH1&CH2 Independent | 0~30V/0~6A; 0~60V/0~3A |
| CH1&CH2 Series | 0~60V/0~6A; 0~120V/0~3A |
| CH1&CH2 Parallel | 0~30V/0~12A; 0~60V/0~6A |
| Constant voltage operation | |
| Line regulation | $\leq 0.01\% + 3\text{mV}$ |
| Load regulation | $\leq 0.01\% + 5\text{mV}$ (rating current $\leq 6\text{A}$); $\leq 0.01\% + 8\text{mV}$ (rating current $\leq 12\text{A}$) |
| Ripple & Noise | $\leq 5\text{mVrms}$ (5Hz~1MHz); $\leq 50\text{mVpp}$ (20Hz~20MHz) |
| Constant current operation | |
| Line regulation | $\leq 0.2\% + 3\text{mA}$ |
| Load regulation | $\leq 0.2\% + 3\text{mA}$ |
| Ripple & Noise | $\leq 3\text{mA}_{\text{rms}}$ |
| Tracking operation | |
| Tracking error | $\leq (0.5\% + 10\text{mV})$ of the master |
| Series regulation | $\leq 300\text{mV}$ |
| Ripple & Noise | $\leq 10\text{mVrms}$ (5Hz~1MHz); $\leq 100\text{mVpp}$ (20Hz~20MHz) |
| Remote output On/Off response time | |
| Voltage up (10%~90%) | $\leq 100\text{ms}$ ($\leq 95\%$ rated load) |
| Voltage down (90%~10%) | $\leq 100\text{ms}$ ($\geq 10\%$ rated load) |
| Auxiliary output (CH3) | |
| Output voltage | 0.1~5V, adjustable |
| Output current | 3A |
| Protection | Over voltage, over load, over temperature and reverse polarity protections |
| Over voltage protection | |
| Accuracy | $\pm(0.5\% \text{ reading} + 0.5\text{V})$ |
| Display | |
| Voltmeter | 3 1/2 digits LED display |
| Ammeter | 3 1/2 digits LED display |
| Resolution | 100mV/10mA |
| Accuracy | $\pm(0.5\% \text{ reading} + 2 \text{ digits})$ |
| General | |
| Protection | Over voltage and reverse polarity protections |
| Remote control | Output On/Off |
| Fan noise | $\leq 50\text{dB}$ |
| Insulation | Between base and output terminal: $\geq 100\text{M}\Omega/1000\text{VDC}$ |
| | Between base and AC power cord: $\geq 100\text{M}\Omega/1000\text{VDC}$ |
| Operating environment | 0°C~40°C, $\leq 80\%\text{RH}$ |
| Storage environment | 0°C~70°C, $\leq 70\%\text{RH}$ |
| Power source | AC115V/230V $\pm 15\%$ auto switch, 50/60Hz |
| Accessories | Power cord x1, Operation manual x1 |
| Dimension (WxHxD) | 250x150x310mm |
| Weight | 5.5kg |