

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