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Triple Output Switching DC Power Supplies



Product No : TP-2606

Product Description

TP-2606 switching mode DC power supply provides 375W output capacity with three independent outputs and CH1/CH2 two range output (30V/ 6A or 60V/3A), which accommodates a wide range of applications. On the basis of fixed output capacity, it enables output voltage or current to the maximum. With high power density and high conversion efficiency, multiple protections, high reliability, low noise and compact design, TP-2606 is completely adequate for satisfying mainstream power supply demands.

- ★ CH1/ CH2 dualrange output of30V/6A or 60V/3A
- ★ CH3 0.1~5V/3A, adjustable output
- ★ Constant voltage and constant current operations
- ★ 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
- ★ Manualover voltageprotection
- ★ Over voltage, over load, over temperature and reverse polarity protections
- ★ Power source AC115V/230Vauto switch
- ★ Fan speed control circuit, minimizing fan acoustic noise
- ★ Compact design, light weight

Model	TP-2606
Output	CH1&CH2Independent mode: 0~30V/0~6A; 0~60V/0~3A CH1&CH2Series mode: 0~60V/0~6A; 0~120V/0~3A CH1&CH2Parallel mode: 0~30V/0~12A; 0~60V/0~6A CH3: 0.1~5V/3A
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	$\leq 3\text{mArms}$
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)
CH3 output	
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 0.39" LED display
Ammeter	3 ^{1/2} digits 0.39" LED display
Resolution	100mV/10mA
Accuracy	$\pm(0.5\% \text{ reading} + 2 \text{ digits})$
Protection	Over voltage and reverse polarity protections
Remote control	Output On/Off
Fan noise	$\leq 50\text{dB}$

Temperature co-efficient	Voltage: $\leq 100\text{ppm}/^{\circ}\text{C}+3\text{mV}$
	Current: $\leq 150\text{ppm}/^{\circ}\text{C}+3\text{mA}$
Insulation	Between chassis & terminal: $\geq 100\text{M}\Omega/1000\text{VDC}$
	Between chassis and AC cord: $\geq 100\text{M}\Omega/1000\text{VDC}$
Operating environment	0~40°C, $\leq 80\%RH$
Storage environment	0°C~70°C, $\leq 70\%RH$
Power source	AC115V/230V $\pm 15\%$ auto switch, 50/60Hz
Accessories	Power cord x1, Operation manual x1
Dimension	310x250x150mm
Weight	5.5kg

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