

Introduction

eTM-K series is a high accuracy programmable DC power supply with single output. MPU control, RS232 interface for PC control, the PSP series facilitates auto test and auto control. The commands of the TPW series are compliant with SCPI commands. Users can easily develop programs to facilitate different applications in auto test and auto control. Digital input fulfilled by rotary dial and keypad input, fast and accurate. Voltage and current regulations by software, avoids human error and makes the PSP series more accurate.

Features

- High accuracy, high resolution
- Over load, over voltage, over current, over temperature and reverse polarity protections
- CV and CC operations, auto CV and CC switch
- 122*32 backlit LCD display
- High speed rotary dial and keypad input
- Built-in beeper alarm
- Panel lock and output ON/OFF function
- List mode function, 100 sets save & recall for voltage, current and time setups, easy use in auto test
- Remote sense function
- Smart cooling fan achieving low noise
- RS-232 interface, labview driver
- Supports SCPI commands
- Compact design, light weight

Product photo



eTM-K Series

Programmable Switching DC Power Supply



Specifications

The specifications apply when the power supply series are powered on for at least 30 minutes under regulated temperature.

Model	eTM-K1560SP	eTM-K3030SP	eTM-K6015SP	eTM-K3020SP	eTM-K6010SP
Range	15V/60A	30V/30A	60V/15A	30V/20A	60V/10A
Rated output (0°C~40°C)					
Voltage	0~15V	0~30V	0~60V	0~30V	0~60V
Current	0~60A	0~30A	0~15A	0~20A	0~10A
OVP	0.1~18V	0.1~34V	0.1~64V	0.1~34V	0.1~64V
OCP	0.1~62 A	0.1~34A	0.1~17A	0.1~24A	0.1~12A
Constant Voltage Operation (CV)					
Line regulation	$\leq 0.01\% + 4\text{mV}$				
Load regulation	$\leq 0.1\% + 5\text{mV}$				
Recovery time	$\leq 1.5\text{ms}$ (50% load change)				
Ripple & Noise	2mVrms, 30mVpp				
Temperature co-efficient	$\leq 300\text{ppm}/^\circ\text{C}$				
Constant Current Operation (CC)					
Line regulation	$\leq 0.2\% + 3\text{mA}$				
Load regulation	$\leq 0.2\% + 5\text{mA}$				
Ripple & Noise	$\leq 10\text{mArms}$				
Display					
Voltmeter	5 digits display				
Ammeter	5 digits display				
Setting resolution	1mV/1mA				
Reading resolution	1mV/1mA				
Setting accuracy	Voltage	$\pm(0.03\% \text{ of reading} + 10\text{mV}) (25\pm 5^\circ\text{C})$			
	Current	$\pm(0.3\% \text{ of reading} + 10\text{mA}) (25\pm 5^\circ\text{C})$			
Reading accuracy	Voltage	$\pm(0.02\% \text{ of reading} + 5\text{mV}) (25\pm 5^\circ\text{C})$			
	Current	$\pm(0.05\% \text{ of reading} + 10\text{mA}) (25\pm 5^\circ\text{C})$			
Protection	Over load, over voltage, over current, over temperature and reverse polarity protections				
Programming interface	RS-232, support SCPI commands				
Memory	100 sets				
Insulation	Between terminals and chassis/other terminals: $\leq 60\text{VDC}$				
Power source	AC220V $\pm 10\%$, 50/60Hz			AC110/220V $\pm 10\%$, 50/60Hz	
Accessory	Operation manual x1, Power cord x1, Software CD x1, RS-232 cable x1				
Dimension(W*H*D)	215×89×412mm			215×89×352mm	
Weight	5.5kg			4.5kg	