

## Programmable Power Supply Specifications

- 1 Full digital programmable interface, High resolution 10mV.1mA.
- 192x128 LCD Display,Display teams of setting and measurement results at the same time,
- Alterable display mode.
- Intelligent window interface,Facilitate user operation.
- Sport multiple immediate buttons.
- Automatic parallel function.
- High stability, low drift.
- Over-voltage, over-current, over temperature protection.
- Intelligent fan control(Change with the output power)
- Buzzer built as a warning alerts
- 100 groups setting storage
- Standard Interface:RS-232
- Options interface:GPIB(IEEE 488.2)

### Parallel sync operation

- Current: $\leq 0.1\% + 10\text{mA}$
- Over voltage protection: $\leq 0.05\% + 10\text{mV}$
- (  $25 \pm 5^\circ\text{C}$  ) Voltage: $\leq 0.05\% + 10\text{mV}$  (  $+20\text{mV}$  Rated Voltage  $> 36\text{V}$  )

### Reflection time

- Voltage Rise:10% ~ 90%:  $\leq 100\text{mS}$
- Voltage Fall:90% ~ 10%:  $\leq 100\text{mS}$

### Series sync operation

- Series sync error:  $\leq 0.1\% + 20\text{mV}$
- Series(Load):  $\leq 20\text{mV}$

### Set accuracy (25 + 5°C)

- Voltage: $\leq 0.05\% + 10\text{mV}$  (  $+20\text{mV}$  Rated Voltage  $> 36\text{V}$  )
- Current: $\leq 0.1\% + 5\text{mA}$
- Over voltage protection: $\leq 0.05\% + 10\text{mV}$

### Ripple and Noise (20Hz~20MHz)

- Voltage Ripple :  $\leq 1\text{mVrms} / 3\text{mVp-p}$
- Noise :  $\leq 2\text{mVrms} / 30\text{mVp-p}$
- Current  $\leq 3\text{mA}_{\text{rms}}$  (  $\leq 5\text{mA}_{\text{rms}}$  Rated Current  $> 3.5\text{A}$  )

### Reading accuracy (25 + 5°C)

- Voltage: $\leq 0.05\% + 20\text{mV}$  (  $+20\text{mV}$  Rated voltage  $> 36\text{V}$  )
- Current  $\leq 0.1\% + 5\text{mA}$

### Basic Spec

- Input Power AC: 100V/120V/220V/240V  $\pm 10\%$
- Voltage Range: 50/60Hz
- Dimension:372 x 226 x 130mm
- Weight:10Kg

### Out put

- Voltage: 0 ~ 32V x 3
- Current: 0 ~ 1A x 3
- Over Voltage Protection: 0 ~ 33V x 3

### Resolution

- Voltage:10mV ( 20mV Rated voltage  $> 36\text{V}$  )
- Current:1mA ( 2mA Rated Current  $> 3.5\text{A}$  )
- Over voltage protection:10mV(20mV Rated voltage  $> 36\text{V}$  )

### Accessories

- Power Cord x 1
- User manual x 1
- Test cable x 3

## Regulated DC Power Supply

### APS3003S/APS3005S, APS3003S-3D/APS3005S-3D



NEW

#### APS3003S/APS3005S

- AC Input Voltage: AC110V/220V, 60Hz/50Hz
- Rated Output Voltage: 0-30V, and adjustable
- Rated Output Current: 0-3A(0-5A), and adjustable
- Display Precision:  $\pm 0.5\% \text{rdg} + 2\text{bit}$
- Ripple and Noise:  $\leq 1\text{mVrms}$
- Load Stability:  $\leq 0.03\text{V}$  (Test condition 30V/5A)
- Display Resolution: Voltage 0.1V, Current 0.01A
- Protection Method: current-limited lower voltage protection, short-circuit protection, over-temperature protection
- Working Method: constant current and constant voltage
- Working Method Cooling Mode: strong wind cooling



NEW

#### APS3003S-3D/APS3005S-3D

- AC Input Voltage: AC110V/220V, 60Hz/50Hz
- Rated Output Voltage: 0-30V Dual channels,and adjustable
- Rated Output Current: 0-3A(0-5A) Dual channels, and adjustable
- Display Precision:  $\pm 0.5\% \text{rdg} + 2\text{bit}$
- Ripple and Noise:  $\leq 1\text{mVrms}$
- Load Stability:  $\leq 0.01\% + 3\text{mV}$
- Display Resolution: Voltage 0.1V, Current 0.01A
- Auxiliary Power Voltage: 2.5V/3.3V/5V (adjustable)
- Auxiliary Power Current: 3A
- Protection Method: current-limited lower voltage protection, short-circuit protection, over-temperature protection
- Working Method: constant current and constant voltage
- Working Method Cooling Mode: strong wind cooling
- Synchronous error:  $< 0.5\% + 10\text{mV}$  (dual channels)
- Series Parallel Working Method: series adjustable rate:  $< 300\text{mV}$  Ripple and Noise:  $< 2\text{mVrms}$  5Hz -1Mhz

# Regulated DC Power Supply

TPR3003T-3C / PR3005T-3C, TPR3003T / TPR3005T



NEW

## TPR3003T-3C / TPR3005T-3C

- AC Input Voltage: AC110V/220V, 60Hz/50Hz
- Rated Output Voltage: 0-30V Dual channels, and adjustable
- Rated Output Current: 0-3A(0-5A) Dual channels, and adjustable
- Display Precision:  $\pm 0.5\%rdg + 2bit$
- Ripple and Noise:  $\leq 1mVrms$
- Load Stability:  $\leq 0.01\% + 3mV$
- Display Resolution: Voltage 0.1V, Current 0.01A
- Auxiliary Power Voltage: 2.5V/3.3V/5V (adjustable)
- Auxiliary Power Current: 3A
- Protection Method: current-limited lower voltage protection, short-circuit protection, over-temperature protection
- Working Method: constant current and constant voltage
- Working Method Cooling Mode: strong wind cooling  
Synchronous error:  $< 0.5\% + 10mV$  (dual channels)
- Series Parallel Working Method:  
series adjustable rate:  $< 300mV$   
Ripple and Noise:  $< 2mVrms$  5Hz -1Mhz

## TPR3003T / TPR3005T

- AC Input Voltage: AC110V/220V  $\pm 10\%$ , 60Hz/50Hz
- Rated Output Voltage: 0-30V
- Rated Output Current: 0-3A(0-5A)
- Rated Output Power: 90W/150W
- Voltage Display Precision:  $0.1V \pm 2bit$
- Current Display Precision:  $0.01A \pm 2bit$
- Power Stability:  $0.01\% + 2mV$
- Load Stability:  $0.02\% + 2mV$
- Ripple and Noise:  $\leq 3mV$
- Protection Method: current-limited lower voltage protection, over-temperature protection
- Working Method Cooling Mode: wind cooling

# Regulated DC Power Supply

PVR3003B / PVR3005B



## PVR3003B Specifications

- Input voltage range: AC 110V/220V  $\pm 10\%$ , 60Hz/50Hz
- Rated output voltage: 0-30V
- Rated output current: 0-3A
- Rated output power: 90W
- Voltage display accuracy:  $0.1V \pm 2byte$
- Current display accuracy:  $0.01A \pm 2byte$
- Output Ripple Voltage:  $\leq 3 mVRMS$
- Load Stability:  $0.1\% + 10 mV$
- Protection : Current limited and Voltage drop
- Working methods : constant voltage.
- Working temperature: 0 – 40°C
- Cooling methods
- Dimension: 243x125x173mm
- Weight: 4.5Kg

## PVR3005B Specifications

- Input voltage range: AC 110V/220V  $\pm 10\%$ , 60Hz/50Hz
- Rated output voltage: 0-30V
- Rated output current: 5A
- Rated output power: 150W
- Voltage display accuracy:  $0.1V \pm 2byte$
- Current display accuracy:  $0.01A \pm 2byte$
- Output Ripple Voltage:  $\leq 3 mVRMS$
- Load Stability:  $0.1\% + 10 mV$
- Protection : Current limited and Voltage drop
- Working methods : constant voltage.
- Working temperature: 0 – 40°C
- Cooling methods
- Dimension: 243x125x173mm
- Weight: 4.5Kg

# Switching Power Supply

KPS-150 / KPS-300 / KPS-600 / KPS-900



## Specifications

- Input voltage: 230V ± 10% 50Hz
- Working Temperature: 0℃ ~ 40℃
- Working Relative Humidity: < 80%

### Storage condition

- Temperature: -10℃ ~ 80℃

Protection Output over-voltage protection over-current short over-temperature. Rated working efficiency (under the condition output DC15V with full load)

- Power stability: < 1%
- Load stability: < 1%
- Ripple noise: < 1%
- Dimension: Standard cabinet
- The display resocution of voltage: 0.1V ± 2bit
- The display resocution of current: 0.1A ± 3bit
- Work method cooling method: Wind cooling

Item NO.	Rated output voltage/current		voltage/current display	precision	Measurement(HxBxT)	Weight(Kg)
KPS-150	Step one 0~15V	0~10A	Digital display	0.1 ± 2byte	98x482x285	3.75
	Step two 0~30V	0~5A				
	Stept three 0~60V	0~2.5A				
KPS-300	Step one 0~15V	0~20A	Digital display	0.1 ± 2byte	98x482x305	4.50
	Step two 0~30V	0~10A				
	Stept three 0~60V	0~5A				
KPS-600	Step one 0~15V	0~40A	Digital display	0.1 ± 2byte	142x482x335	7.50
	Step two 0~30V	0~20A				
	Stept three 0~60V	0~10A				
KPS-900	Step one 0~15V	0~60A	Digital display	0.1 ± 2byte	142x482x335	8.30
	Step two 0~30V	0~30A				
	Stept three 0~60V	0~15A				

# Switching Power Supply

KPS3030DA / KPS3050DA ,KPS2054



## Capability Characteristics

The output voltage and output current are continuously adjustable. The device is stabilized and over voltage protection, over current protction, short circuit protection and over temperature protection. Ideal for usage in laboratories, schools and training centers.

## KPS3030DA/3050DA Specifications

- Weight: 6.5Kg
- Measurement(LxWxH): 390x250x200mm
- Input Voltage Range: AC 230V ~ 50Hz
- Output Voltage: 0-30V(adjustable)
- Output Current: 0-30A(adjustable)
- Rated Output Power: 900W
- Charging Time: 8h
- Operating Environment temperature: 0-40℃
- The display resocution of voltage: 0.1V ± 2bit
- The display resocution of current: 0.1A ± 3bit
- Work method cooling method: Wind cooling

## KPS2054 Specifitions

- AC voltage: AC110V/230V,
- Voltage Range: 60Hz/50Hz
- The display resolution of voltage: ± 0.1%V ± 2bit(23 ± 5℃)
- The display resolution of current: ± 0.5%A ± 3bit(23 ± 5℃) (minimum display: 100mA)
- Fully-loaded efficiency: ≥ 80%
- Ripple wave + noise p-p < 180mV (switch frequency 100KHz)
- Average evolution: < 25mV
- Power supply stability < 20mV
- load stability: < 60mV
- Protection method: currnet-limited lower voltage, over temperature, output over voltage, output short circuit protection
- Work method cooling method: wind cooling

Item NO.	KPS 2018	KPS 2036	KPS2054
Voltage	0~20V	0~20V	0~20V
Current	0~18A	0~36A	0~54A
Power	360W	720W	1080W