

Single Channel Power Supply

FEATURES:

- ❖ Low Ripple Noise
- ❖ Compact Size
- ❖ Automatic voltage reset
- ❖ Economically priced



CTPS Series

DESCRIPTION:

CERNEXWAVE's CTPS3010S/3020S and CTPS6005S/6010S are constant voltage and current single-channel power supply, the voltage and current can be adjusted continuously

SPECIFICATIONS:

CTPS Series Power Supply CTPS3010S CTPS3020S

Technical Specifications
Input Voltage: AC 220V 50Hz/110V 60Hz
Output Voltage Range: 0~30V
Output Current Range: 0~10A/20A
Rated Power: 300W/600W
Display precision: 0.1V±2bit 0.01A±2bit
Stability of voltage: ≤0.01%+3mV
Stability of load: ≤0.01%+10mV(≤10A); ≤0.01%+20mV (> 10A)
Ripple and Noise: ≤3mVrms
Method of protection: limited current and low voltage / over-temperature protection
Cooling model: fan

CTPS Series Power Supply CTPS6005S CTPS6010S

Technical Specifications
Input Voltage: AC 220V 50Hz/110V 60Hz
Output Voltage Range: 0~60V
Output Current Range: 0~5A/10A
Rated Power: 300W/600W
Display precision: 0.1V±2bit 0.01A±2bit
Stability of voltage: ≤0.01%+3mV
Stability of load: ≤0.01%+5mV(≤5A); ≤0.01%+10mV (> 5A)
Ripple and Noise: ≤3mVrms
Method of protection: limited current and low voltage / over-temperature protection
Cooling model: fan

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Single & Dual Channel Power Supply

DESCRIPTION:

CERNEXWAVE's CTPS3003T/CTPS3005T Series which is a single-channel regulated DC power supply with a backlit LCD panel. The voltage and current can be adjusted continuously with internal Knobs.

CTPS3003T CTPS3005T

Technical parameter:

AC Input Voltage: AC 220V 50Hz/110V 60Hz

Rated Output Voltage: 0~30V

Rated Output Current: 0~3A/5A

Rated Output Power: 90W/150W

Voltage Display Precision: $0.1V \pm 2\text{bit}$

Current Display Precision: $0.01A \pm 2\text{bit}$

Voltage Stability: $\leq 0.01\% + 2\text{mV}$

Load Stability: $\leq 0.01\% + 5\text{mV}$

Ripple: $\leq 1\text{mVrms}$ (5Hz~1 MHz)

Cooling Method: Fan

Dimension: 10.8x4.9 x 6.7 inches (275x125x170mm)



CTPS Series Power Supply CTPS3003T-3C CTPS3005T-3C

Technical parameter

AC Input Voltage: AC 220V 50Hz/110V 60Hz

Rated Output Voltage: CH1 0~30V, CH2 0~30V, CH3 2.5V/3.3V/5V

Rated Output Current: CH1 0-3A/5A, CH2 0~3A/5A, CH3 3A

Rated Output Power: 195W/315W

Voltage Display Precision: $0.1V \pm 2\text{bit}$

Current Display Precision: $0.01A \pm 2\text{bit}$

Ripple and Noise: $\leq 1\text{mVrms}$

Voltage Stability: $\leq 0.01\% + 2\text{mV}$

Load Stability: $\leq 0.01\% + 5\text{mV}$

Protection Method: current-limited low voltage protection

Environment parameters: Relative humidity < 80%,

Temperature range 32- 104 F. (0-40°C)

Cooling Mode: Fan

Dimensions: 14.6 x 9.8 x 6.3 inches (370x250x160 mm)



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Single Channel Power Supply

DESCRIPTION:

CERNEXWAVE's CTPS3030S/CTPS6020S are constant voltage and constant current power supply with high accuracy and reliability. It features a limited current, low voltage, short circuit protection, over-temperature protection, and over voltage protection. It's capable of taking large load and switching output.

CTPS Series Power Supply CTPS3030S

Technical Specifications:

Output voltage: 0~30V adjustable (TPR3030S)

Output current: 0~30A adjustable (TPR3030S)

Power efficiency: CV \leq 0.01% + 3mV CC \leq 0.1% + 6mA

Load efficiency: CV \leq 0.01% + 10mV (I \leq 10A)

CC \leq 0.1% + 6mA (I \leq 10A)

CV \leq 0.01% + 20mV (I > 10A)

CC \leq 0.1% + 6mA (I > 10A)

Ripple and noise: CV \leq 3mV r.m.s

(5Hz~1MHz) CC \leq 10mAr.m.s

Voltage display precision: \pm 0.5% rdg + 2bit

Current display precision: \pm 0.5% rdg + 2bit

LED Resolution: \pm 0.5% rdg + 2bit

High Voltage test: leakage current \leq 1mA

(testing condition: input of 1700VAC/2s)

Insulation Resistance: insulation resistance \geq 7M

(testing condition: 500VDC/5s)

Working mode: constant voltage and current

Method of protection: limited current and voltage drop /
short circuit protection / over-temperature protection /

over-voltage protection

Cooling method: Fan



CTPS Series

Data sheet

Input voltage: AC 220V 50Hz / 110V 60Hz

(110V \pm 5% 60Hz is available)

Working condition: temperature 0°C ~ 40°C RH < 80%

Storage condition: temperature -10~70°C RH < 80%

Rated output power: 900W (TPR3030S)

Dimension: 482 x 305 x 186 (L x W x H) mm

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Single Channel Power Supply

FEATURES:

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- ❖ Automatic voltage reset
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CKPS3030DA

DESCRIPTION:

The output voltage and output current are continuously adjustable. The device is stabilized

SPECIFICATIONS:

Specifications

Input Voltage Range: AC 220V 50Hz

Output Voltage: 0-30V(adjustable)

Output Current: 0-30A(adjustable)

Rated Output Power: 900W

Charging Time: 8 H

Operating Environment temperature: 0-40°C

The display resolution of voltage: 0.1V \pm 2bit

The display resolution of current: 0.1A \pm 2bit

Work method cooling method: wind cooling

Measurement (LxWxH): 390x250x200mm

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