



CONTROL MODE WITH BUILT-IN MEMORY.

Storage Selection: Press the **RECALL** key and the storage direction light will flicker, which indicates the current storage data. Then press the ↓ key and the next parameters of voltage and current can be selected; press ↑ and the previous parameters can be selected. In any storage direction, the relevant storage units can be stored then the parameters of voltage and current are set.

Find answers for frequent questions asked while operating PPS3003S, PPS3005S on www.tmatlantic.com in FAQ section.



PPS3003S
More info



PPS3005S
More info



User's Manual

PROGRAMMABLE DC POWER SUPPLY

PPS3003S / PPS3005S



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BRIEF PRODUCT INTRODUCTION

PPS3003S, PPS3005S single-channel programmable power supplies are designed to supply wireless devices with stabilized voltage or current, while used in debugging processes, repair and laboratory research in normal climate conditions.

INSTRUCTIONS

- Never put the heavy objects on this equipment;
- Never crash or damage the machine due to improper operation;
- Never make the equipment be static discharge;
- Don't block the cooling exit;
- Don't make the equipment power on when it is connected to the power;
- Never disassemble it unless getting the confirmation of the professionals.

WARNING

- Input voltage 110V 60Hz
- The power cord must be with reliable grounding to avoid the electronic shock



MANUAL MODE

1. Output Voltage Adjustment: Press the **V SET** key, the value of voltage setting will be displayed on the voltage display; and the setting will flicker. Repress **V SET** and the selection of the setting values will be changed. Turn the knob and the setting value of the output voltage will be adjusted while the setting flickers. Stop turning for a few seconds the setting will stop flickering and the power will return to the initial status.
2. Output Current Adjustment: Press the **I SET** key, the value of current setting will be displayed on the current display; and the setting will flicker. Repress **I SET** and the selected place of the setting values will be changed. Turn the knob and the setting value of the output current will be adjusted while the setting flickers. Stop turning for a few seconds, the setting will stop flickering and the power will return to the initial status.
3. Over current protection: Press the **RECALL** key and the storage direction will flicker. At this time, press **OUTPUT** and it will stop flickering, then the power is in the mode of over current protection; that is, the over current protection starts then the current is up to the set value; Switch off the output voltage and the over current protection light [OCP] is on. Eliminating the mode of the over current protection: press the **RECALL** key and the storage direction will flicker. At this time, press **OUTPUT** and it will stop flickering, then the power supplies will exit from the over current protection mode.

The Power Supply can operate in several control modes:



MANUAL MODE.



CONTROL MODE WITH BUILT-IN MEMORY.

Model	PPS3003S	PPS3005S
Output voltage	0-30V	0-30V
Output current	0~3A	0~5A
Output power	90W	150W

TECHNICAL PARAMETERS

These parameters are tested under $25\pm5^{\circ}\text{C}$ and after 2s power on.

Power effect: $\text{CV}\leq 0.01\%+3\text{mV (AC}\pm 5\%)$

Load effect: $\text{CV}\leq 0.05\%+10\text{mV}$

Ripple and noise: $\leq 1.0\text{mVrms}$

Output accuracy: V: $0.05\%+2\text{Lsb}$
I: $1\%+5\text{Lsb}$

Read-back accuracy: V: $0.5\%+10\text{Lsb}$
I: $1\%+20\text{Lsb}$

Types of protection: over current, over voltage, over temperature

Working environment: $0\sim 40^{\circ}\text{C}$

Humidity: less than 80%

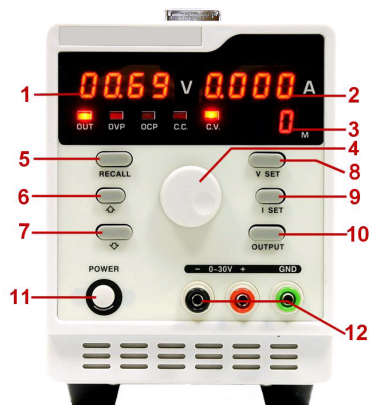
ATTENTION

- Kindly use the rated input voltage;
- Never operate at a high temperature and the cooling exit mustn't be blocked;
- Please make the fuse with rated parameters equipped.

DIAGRAMS OF PANELS

Front Panel

1. Output Voltage Display
2. Output Current Display
3. Storage Data Instruction
4. Adjusting Knob
5. «RECALL» key of record / new / saved settings calling
6. «↑» key to select previous saved parameters
7. «↓» key to select next saved parameters
8. «V SET» to activate output voltage settings
9. «I SET» to activate output current settings
10. «OUTPUT» to switch on/off the outputs
11. «POWER» to switch on/off the device power
12. «-», «+» output terminals and grounds



Rear Panel

13. Cooling Fan
14. Power cable connection plug

