## IDEALPLUSING INFORMATION TECHNOLOGY CO.,LTD

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# IPS-ATDP6KV-200mA 6KVDC 200mA 1200W High Voltage DC Power Supply-IDEALPLUSING

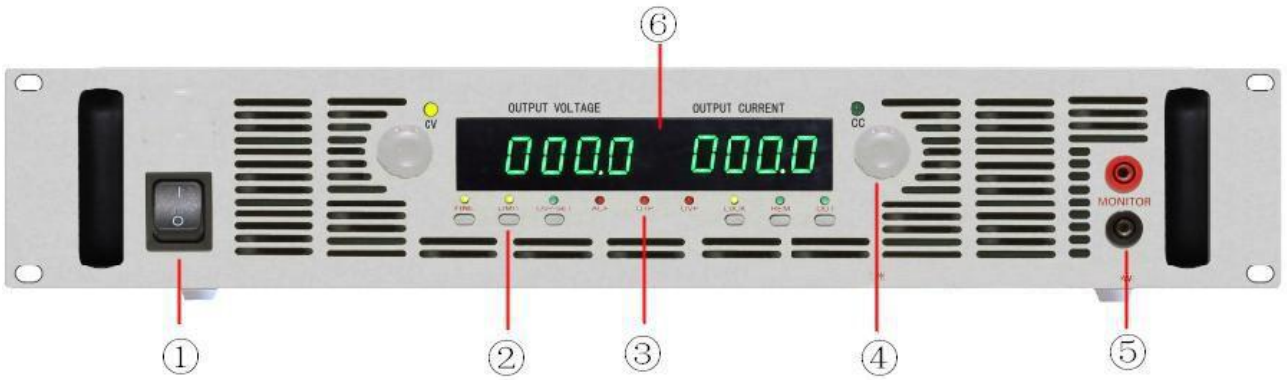
## I. BRIEF INTRODUCTION

High voltage DC power supply is a kind of DC constant voltage and constant current high voltage power supply with rated output power of 600W (1200W) and continuous adjustable. The maximum rated voltage of this series of power supply can reach <12KV, and its performance is excellent in the same type of products. In addition, the power supply adds remote control and detection function on the basis of local operation, which greatly improves the flexibility of the power supply product and its wide application. This series of power supply can be widely used in various electronic components aging system, various testing instruments and electronic application laboratory and other fields.

## II. THE MAIN SPECIAL FUNCTIONS AND ADVANTAGES ARE AS FOLLOWS

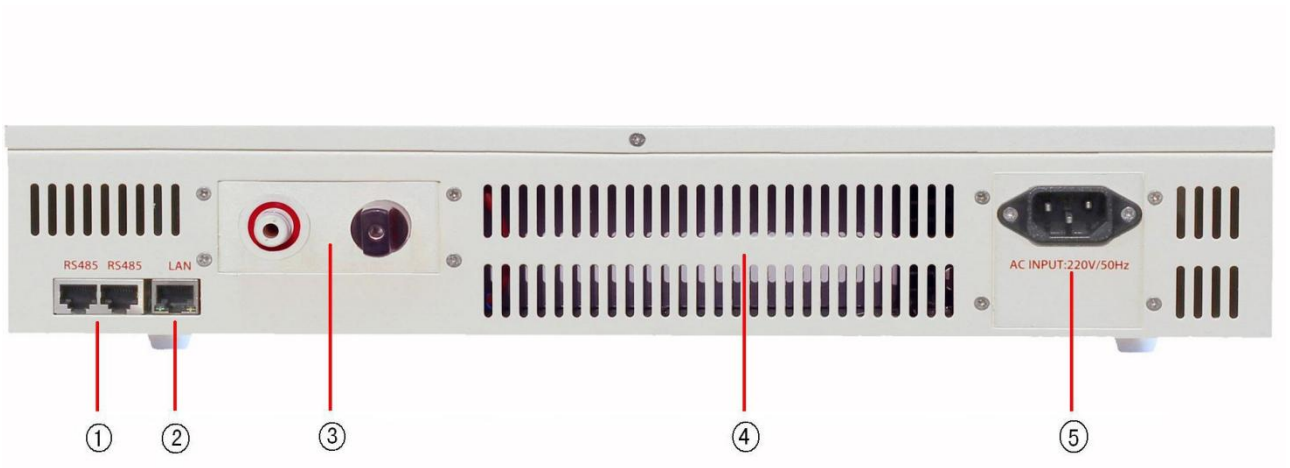
| | |
|---|---|
| 1 | 19 inch 2U/3U/4U/5U/6U standard chassis, user can choose desktop or rack type |
| 2 | Constant voltage and constant current function |
| 3 | Low ripple and high stability |
| 4 | Continuous adjustable output voltage and current |
| 5 | Digital adjustment of encoder to make the adjustment more precise |
| 6 | Adopting PSFB-ZVS switching mode with high conversion efficiency |
| 7 | Over-voltage, Overheat and Over-voltage Protection of Electric Power Input |
| 8 | LAN and RS485/RS422 communication interface |
| 9 | MODBUS-RTU Standard Communication Protocol |
| 10 | Monitoring by computer software |
| 11 | Parameters can be calibrated by software |
| 12 | Local and Program Controlled Dual Operation Mode |
| 13 | Output rated power 600W /1200W/2400W/3000W/4000W/5000W/6000W/8000W/Customzie |
| 14 | Various models of rated voltage 1000V~12KV and rated current 0.1A-300A are available. |

## III. PANELS INTRODUCTION



**Front Panel**

| | | |
|---|---|---|
| ① | Power Open Switch | |
| ② | Key Function Analysis | FINE-Voltage and Current Rough and Fine Adjustment Selection Key; |
| | | LIMI-Voltage and Current Preset Display Key; |
| | | OVP-SET-Over-voltage Setting Value Key; |
| | | LOCK-Power panel lock button; |
| | | REM-Programmable disconnection and long press address setting button; |
| | | OUT-power output control button; |
| ③ | Analysis of State Indicator | FINE -Voltage and Current Fine Selection Indicator Light for Fine Adjustment; |
| | | LIMIT -Voltage and Current Preset Display Indicator, turn on as preset value; |
| | | OVP-SET-Over-voltage setting indicator light to display the over-voltage setting value; |
| | | ACF-Input over-voltage indicator light, turn on input over-voltage; |
| | | OTP-Temperature Protection Indicator Light for Internal Temperature Protection of Power Supply; |
| | | OVP - Over-voltage Indicator, turn on the power output over-voltage; |
| | | LOCK - Power Lock Indicator light, power is locked; |
| | | REM - Programmable Indicator Light, which is programmed for power supply; |
| | | OUT - Output status indicator, turn on for power supply; |
| | | CV - constant voltage indicator lamp, power supply is in constant voltage state; |
| ④ | Adjustment area | V-SET - Output Voltage Knob; |
| | | I-SET - Output Constant Current Knob. |
| ⑤ | Output voltage measurement terminal | High voltage products do not have this terminal |
| ⑥ | Digital display | Including voltage display area and current display area. |




**Back Panel**

| | | | |
|---|---|---|---|
| ① | RS-485/RS-422 Communication Interface | ② | LAN Communication Interface |
| ③ | Output Terminal | ④ | Cooling window |

| | | | |
|---|---|---|---|
| ⑤ | AC NPUT PORT | | |

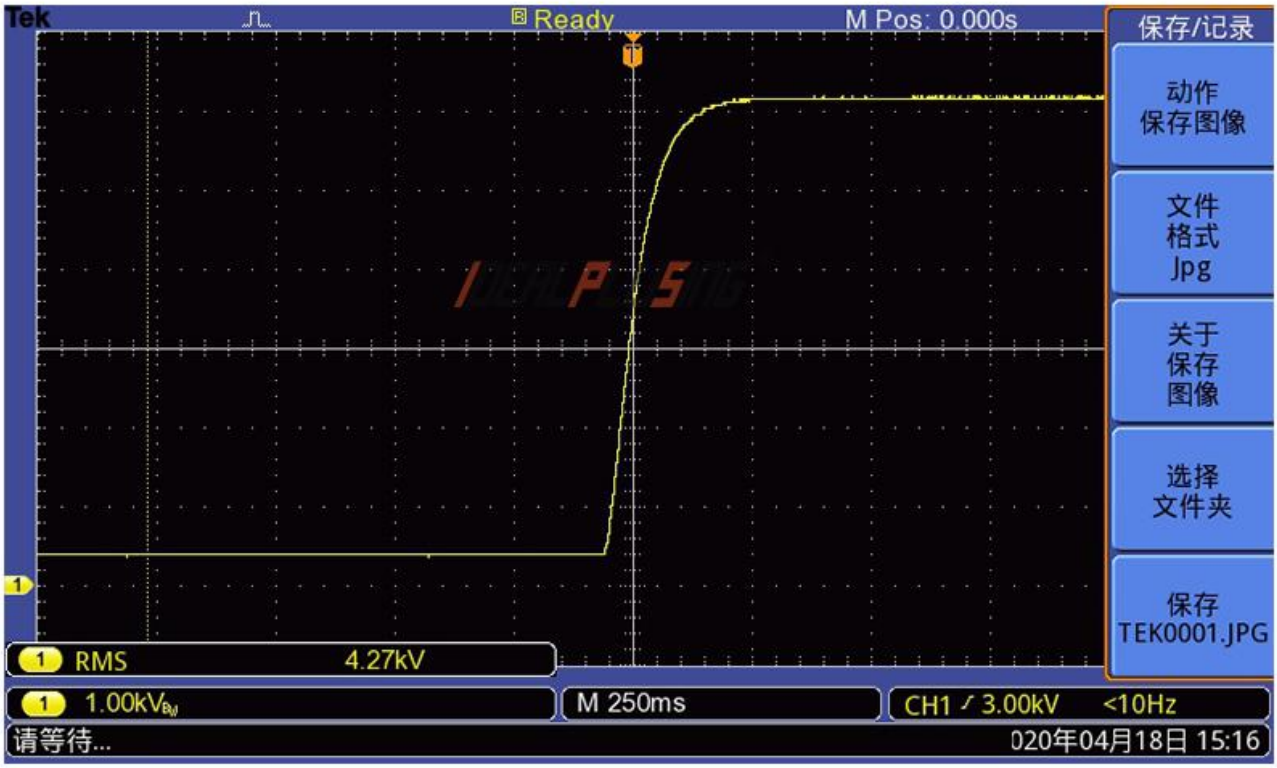
## V. TECHNICAL SPECIFICATIONS

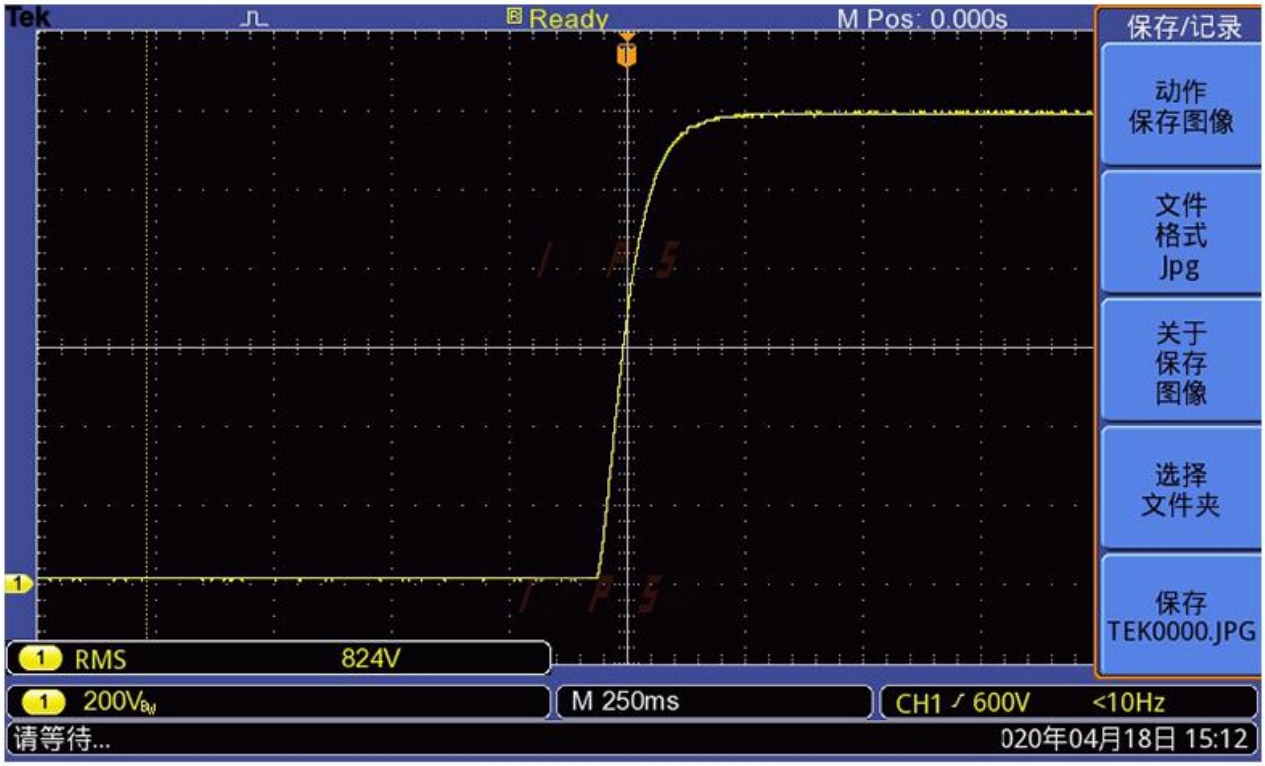
| Model | | IPS-ATDP6KV-200mA |
|---|---|---|
| Rated value | Voltage（Empty Load） | 60V~6KVDC |
| | Current | 2mA~200mA |
| | Over-voltage protection | 0~6600V |
| Setting resolution | Over-Voltage | 0.1V |
| | Voltage | 0.1V |
| | Current | 0.1mA |
| Display resolution | Voltage | 0.1V |
| | Current | 0.1mA |
| Display Value Accuracy | Voltage | ≤0.1%+2LSB |
| | Current | ≤0.5%+2LSB |
| Load regulation rate | Voltage | ≤0.5%+2LSB |
| | Current | ≤1%+2LSB |
| Power regulation rate | Voltage | ≤0.5%+2LSB |
| | Current | ≤1%+2LSB |
| Ripple (RMS) | Voltage | ≤1‰ |
| Size(MM) | | 520L*482W*88H |

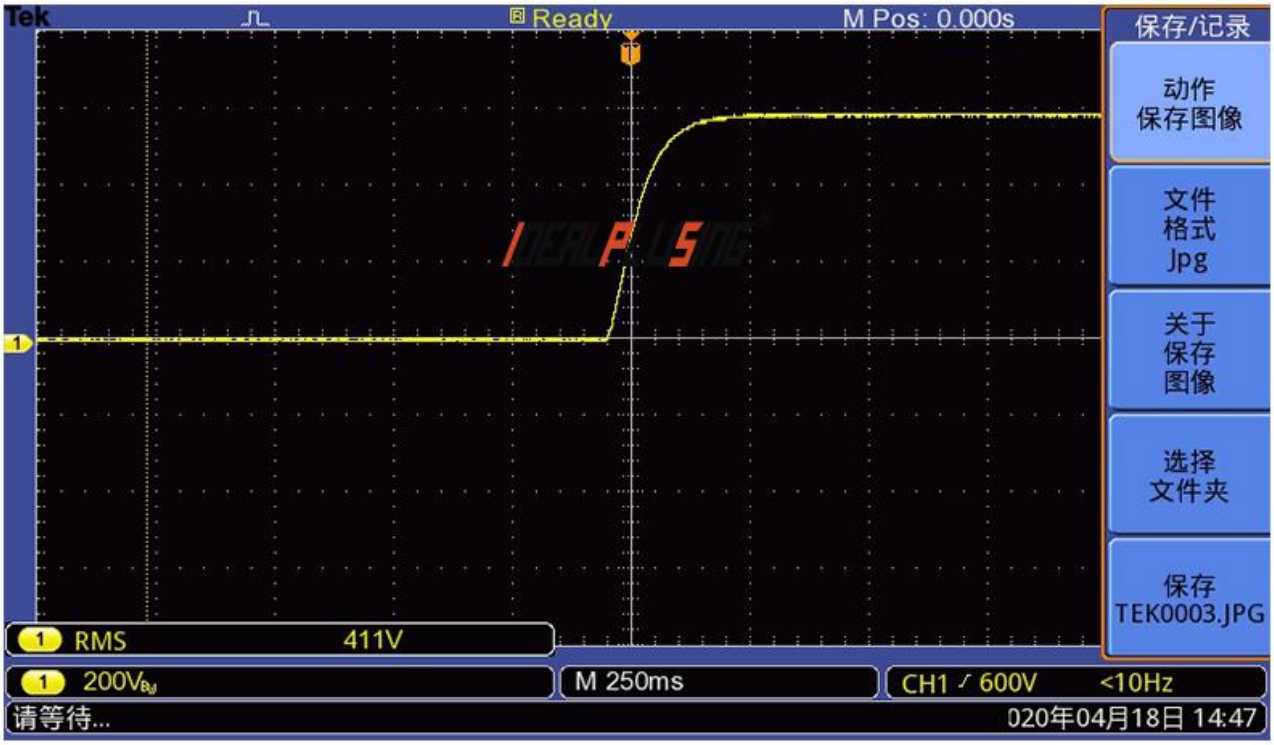
## VI. ENVIRONMENTAL PARAMETERS

| | | |
|---|---|---|
| 1 | AC INPUT | 220VAC (+10% 47Hz-63Hz) |
| 2 | Heat dissipation mode | forced heat dissipation by fan |
| 3 | Operating ambient temperature | 0-40 C |
| 4 | Storage ambient temperature | -20-70 C |
| 5 | Maximum ambient humidity for indoor use design | 95% |

**VII: Reference Picture**

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