

GUANGDONG YIBENYUAN POWER SUPPLY EQUIPMENT CO., LTD.  
GUANGZHOU IDEALPLUSING INFORMATION TECHNOLOGY CO.,LTD

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Factory #1 ADD: 7/F, Block A, Cabo Tec. park, North of HuaFa Road, Gongming, Guangming new Dis. ,SZ,China.

YBY-ATDH10050 100V 50A DC POWER SUPPLY-IDEALPLUSING

| MAIN SPECIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                |                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | YBY-ATDH10050                                                                                  |                                                                                                                    |
| AC INPUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Input method                                                                                   | Single-phase                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Voltage                                                                                        | 220VAC $\pm 10\%$                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Frequency                                                                                      | 50Hz/60Hz                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Input current                                                                                  | 25A                                                                                                                |
| DC OUTPUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Rated power                                                                                    | 5000W                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Output voltage                                                                                 | DC 0-100V continuously adjustable                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Output current                                                                                 | DC 0-50A continuously adjustable                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Voltage output accuracy                                                                        | $\pm 0.5\%$ FS within 10V- 100V range                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Current output accuracy                                                                        | $\pm 0.5\%$ FS within 5A -50A range                                                                                |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Display resolution-Voltage                                                                     | 0.1V                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Display resolution-Current                                                                     | 0.1A                                                                                                               |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Working efficiency                                                                             | $\geq 90\%$                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Power factor                                                                                   | $\geq 0.95$                                                                                                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Working characteristics                                                                        | The voltage and current can be adjusted from 0 to the maximum value, and the working mode can be selected.         |
| Output display                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                | LED digital display for output voltage and current                                                                 |
| Adjusting Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                | Potentiometer knob or Touch Panel ( Check with sales person )                                                      |
| Communication Port                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                | RS485 or RS232 ( Check with sales person )                                                                         |
| Protected mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                | Automatic protection against phase loss, over-heating, over-voltage, over-current, short-circuit, and other faults |
| Safety features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Insulation resistance                                                                          | $\geq 20M\Omega$                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Voltage withstand performance                                                                  | 2000VDC test for 60S, no arcing or breakdown                                                                       |
| Work Environment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Ambient temperature                                                                            | (-15℃ ~ 45℃)                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Ambient humidity                                                                               | $\leq 90\%$ (no condensation)                                                                                      |
| Protection level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                | IP20                                                                                                               |
| Cooling method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                | Air Cooling                                                                                                        |
| Dimension of the dc power supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                | L600*W380*H280 (MM)                                                                                                |
| Dimension of the wooden package                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                | L650*W420*H380 (MM)                                                                                                |
| Net Weight & Gross Weight                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                | 35KG/45KG                                                                                                          |
| We specialize in customizing DC power supply to meet your specific requirements.<br>With customized input and output voltage and current, our offerings range from 0V to 2000KV DC and 0A to 20000A. We provide AC-DC solutions for the motor category or electrical appliances testing or Lab testing, electrochemistry, electrolysis, electroplating, and anodizing.<br>Please visit our website and submit any inquiries to explore our capabilities further. Our dedicated team endeavors to respond within one hour. |                                                                                                |                                                                                                                    |
| APPLICATION SCOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                |                                                                                                                    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Motor: electric car motor, electric car controller, DC motor testing and aging debugging, etc. |                                                                                                                    |

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|    |                                                                                                                                        |
|----|----------------------------------------------------------------------------------------------------------------------------------------|
| 2  | Electric appliances: LED/LCD testing and aging, energy-saving bulb testing and aging, lamp testing, tungsten gasification, etc.        |
| 3  | Automotive: starter motor, auto air conditioner, auto motor controller, auto light, cigarette lighter, auto AV testing and aging, etc. |
| 4  | Electronic devices: capacitors, resistors, relays, transistors, sensors, etc.                                                          |
| 5  | Display: display screen, liquid screen, touch screen, car DVD, cell phone display, etc.                                                |
| 6  | Electrochemistry: electrolysis, electroplating, anodic oxidation, non-ferrous metals, sewage treatment, etc.                           |
| 7  | Aircraft start-up maintenance, power supply for military equipment, etc.                                                               |
| 8  | Physical exploration: power supply of mineral and petroleum equipment, etc.                                                            |
| 9  | Power supply: inverter products aging, inverter maintenance testing, etc.                                                              |
| 10 | Power tools: contact aging, wire pack testing, circuit breaker release test, etc.                                                      |

**REFERENCE PICTURES**

