

## IPS-ATDH8050 80V 50A DC POWER SUPPLY-IDEALPLUSING

| MAIN SPECIFICATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                 |                                                                                                                    |
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| Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IPS-ATDH8050                                                                                                                    |                                                                                                                    |
| AC INPUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Input method                                                                                                                    | Single-phase                                                                                                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Voltage                                                                                                                         | 220VAC $\pm 10\%$                                                                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Frequency                                                                                                                       | 50Hz/60Hz                                                                                                          |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Input current                                                                                                                   | 20A                                                                                                                |
| DC OUTPUT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Rated power                                                                                                                     | 4000W                                                                                                              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Output voltage                                                                                                                  | DC 0-80V continuously adjustable                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Output current                                                                                                                  | DC 0-50A continuously adjustable                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Voltage output accuracy                                                                                                         | $\pm 0.5\%$ FS within 8V- 80V 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°C ~ 45°C)                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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                                                                                                          |
| <p>We specialize in customizing DC power supply to meet your specific requirements.</p> <p>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.</p> <p>Please visit our website and submit any inquiries to explore our capabilities further. Our dedicated team endeavors to respond within one hour.</p> |                                                                                                                                 |                                                                                                                    |
| APPLICATION SCOPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                 |                                                                                                                    |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Motor: electric car motor, electric car controller, DC motor testing and aging debugging, etc.                                  |                                                                                                                    |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Electric appliances: LED/LCD testing and aging, energy-saving bulb testing and aging, lamp testing, tungsten gasification, etc. |                                                                                                                    |

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| 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

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