



Model : **CP12-5-EG** Access Control Power Supply DC12V5A With access control system



Access Control Power Supply



1. Metal Housing

- Fire retardant paint
- Easy knocked wire connecting holes
- Device Lock

2. LED Indicator Plate

- Red for AC Input
- Green for DC Output
- Yellow for Battery Discharging

3. Safty Protections

- Transfor with double insulated wire
- High voltage area protection cover
- Short circuit/over load/over temp. protection

4. Smart Circuit

- High Efficiency 89%(5A)/87.4%(3A)
- Low ripple interference
- Output voltage 12-15V adjustable

5. Battery Protection

- Independent DC13.8V charging voltage
- Reverse polarity protection
- Over charging/discharing protection

6. Time delay adjustable

- Delay time Extend to 0-45s

1. Brief Introduction

The access control power supply model is CP12-5-EG, adopted limited high current and constant voltage output to ensure stable performance and safety. Product have battery backup function, with over charging / discharging protection and reverse polarity protection, when battery output voltage drop to 10V, system will automatically shut down to extend battery usage life. The delay control circuit realized 0-45s adjustable unlock time, LED indicator shows its unlock status, also LED indicator shows AC input, DC output and Battery output. Support wide type of access control system devices, NC or NO lock, Active High or Active Low main controller are all supported.

2. Technical Parameters

Input voltage: 90V-265VAC, 47-63Hz

Output voltage: DC12V-DC15V adjustable

Output current: 5A

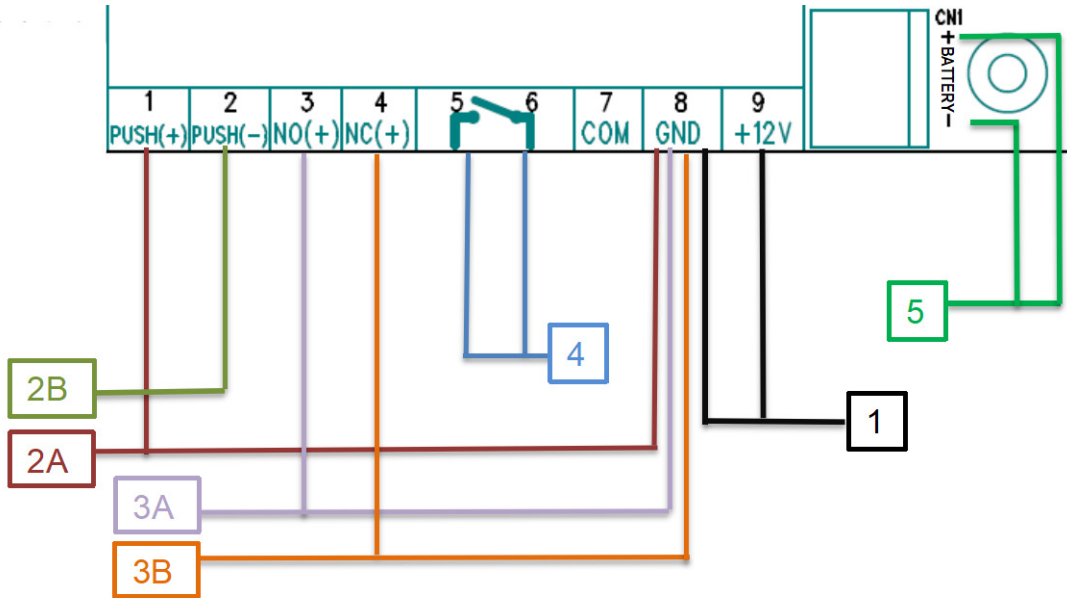
Unlock delay time: 0-45s


Battery supported: 12V7Ah Lead-acid battery

Working humidity: <95%

Working temperature: -20~50 °C

3. Connection Diagram



1	+12V & GND: Output + & -, connect Main controller
2A	PUSH(+) & GND: Active High, Connect Door Exit Button
2B	PUSH(-): Active Low, connect Door Exit Button
3A	NO(+) & GND: Normally Open, connect Electric lock
3B	NC(-) & GND: Normally Close, connect Magnetic lock
4	 : Connect Intercom system or Alarm system
5	Battery + & Battery -: Connect Lead-acid battery

PS: Terminal 6, 7, 8 are interchangeable.

4. Installation Attention:

- DO NOT operate when AC in, all connecting operation must before connecting AC input. Wet hand operation NOT allowed.
- The product should be installed indoor where is dry and well ventilated, without direct sunlight.
- Please make sure all connection wire are correctly linked before using, especially the Positive(+) and negative(-) of battery connection.
- Before connecting Electronic Lock, please turn the Time delay button to 0s to avoid burn lock coil.
- Lock over 500mA is not suggested to be connected directly to the power supply to ensure stable function.
- After AC connected, RED and GREEN LED indicator should be light. If not, please check if AC socket under poor contact or input fuse was burned.
- When AC input cut off, YELLOW and GREEN LED indicator should be light. If not, please check if fuse was burned or battery connecting wire fell off, or battery capacity lower than 10V.

5. Appearance Diagram:

