



## Switching power supply Manual



### Chargery Power Co., Ltd.

#### Head Office

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**1. Model: CY-A12**

**2. Application**

The Powerful AC adapter is applied for any device with DC in 10-18V, It is designed special for high power charger and balancer charger applied to RC model.

**3. Feature:**

- *Approved by CE*
- *AC **90-265V** worldwide use*
- *Up to **87%** of convert efficiency, save more energy.*
- *Over current protection*
- *Short-circuit protection on output*
- *Intelligent cooling fan*
- *Switching technology assure the highest efficiency.*

**4. Environment Requirements**

- *Ambient Temperature : -10--40°C*
- *Ambient Humidity : 5%--95%*
- *Storage Temp. : -20°C--70°C*
- *Storage Humidity : 30%--90%*

**5. Input**

- *Rated Voltage : AC110 / 220V*
- *Voltage allowed : AC90 ~ 265V*
- *Rated Freq. : 50/60Hz*
- *Freq. Allowed : 47~63Hz*
- *Max Current : 1.19A @220V, 2.17A @ 110V*
- *Efficiency: 87% max at 80% load and 220V.*

**6. Output**

- *Voltage : 12.0V ( 12.6V MAX)*
- *Current: 12.5A (13.0A MAX.)*

**7. Protection**

- *Over voltage and over current or over load on output and resume automatically.*

**8. Indicator**

- *Connect to AC power : RED*

- *With load : RED*

## 9. Mechanical Characteristics

- *Size : 150\*68\*46 (L\*W\*H, mm)*
- *Weight: 480g without input cable*
- *AC plug can be customized*
- *Output DC connector: 4mm gold banana female connector*



## 10. Operating Instructions

- *Connect CY- A12 to a charger with DC in 10-18V*
- *Plug CY- A12 into AC 110 / 220V outlet*

## 11. Warnings

- Never leave the adapter unattended when it is connected to charger. If any malfunction is observed immediately terminated charging and refer to the operation instructions.
- Keep away the unit from dust, damp, rain, heat direct sunshine and vibration. Do not drop it.
- The adapter and the charger to be charged should be set up on a head-resistant, non-inflammable and non-conductive surface. Never place them on a car seat, carpet or similar.
- Keep all the inflammable volatile materials well away from operating area.
- Do not attempt to charge any types of battery including below:
  - Lead acid battery or VRLA
  - NIMH/NICd battery pack
  - li-ion and lithium polymer battery

## 12. Warranty and Service

Chargery Power Co., Ltd. as manufacture of R/C model power warrants its AC switching charger to be free of defects in material and workmanship. This warranty is effective for **24** months from date of purchase. If within the warranty period the customer is not satisfied with the products performance resulting from a manufacturing defect the accessory will be replaced or repaired. This warranty does not cover the damage due to wear, overloading, incompetent handling or using of incorrect accessories.

