



A12 v2.0

Switching power supply datasheet



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1. Model: CY-A12

2. Application

The Power supply 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.
- Intelligent cooling fan, turn on automatically over 50°C
- 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.)
- Ripple voltage: 150mV.

7. Protection on output

- Over voltage protection
- over current protection
- over load protection
- short circuit protection.

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
- Move the AC switcher to the ON position
- Turn off the power supply when not use.

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 **12** 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.

