



## 25 AMP RACING POWER SUPPLY



The Team CheckPoint Racing Power Supply is perfect for competition level racing as it is capable of maintaining 25 amps output current at 12V DC. This power supply delivers clean, smooth, reliable power and is directly compatible with the CheckPoint TC-1030 charger, as well as other brand chargers and a huge variety of other DC devices.

### **SPECIAL FEATURES**

- Delivers up to 25 amps while maintaining a smooth, clean 12 volts DC on the output.
- Two sets of 4mm banana output jacks for easy connection of multiple devices.
- Twin cooling fans for better overall efficiency and lifespan.
- Built-in current limiter automatically prevents damage from accidental overloads.
- Includes a convenient face-mounted power switch with LED indicator.
- Durable, lightweight case.
- Short circuit protection.
- Terminal block adapter with large color-coded terminal posts for easy connection of devices which have large alligator clips.

### **SPECIFICATIONS**

- Input voltage: 110-120V 60Hz, 3-prong U.S. power cord
- DC output voltage: 11-15 volts, adjustable
- DC output current: 25 amps max.
- Max. rated power: 300W
- Output connections: 2 sets, 4mm banana jacks, with detachable terminal block
- Overload protection: 25 amp solid-state current limiter
- Case size: 5.5" x 7.2" x 2.5" [140 x 182 x 64mm]
- Weight: 49 oz. [1375g]

### **IMPORTANT PRECAUTIONS**

- Do not allow water, moisture or foreign objects into the power supply.
- Do not cover the air intake, fan, and other vent holes. This will cause the power supply to overheat.
- Do not exceed 120V AC input.
- Do not leave the power supply connected to AC when unused.
- Do not open or attempt to repair the power supply at any time. Contact Hobby Services for any and all repair needs.
- Keep out of reach of children.

## AC INPUT POWER

The Team CheckPoint 25 Amp Racing Power Supply accepts power from a 110V AC source. This is a “switching” power supply as opposed to a linear power supply which employs a high frequency switch-mode design to convert 110V AC input to a 12V DC output. This state-of-the-art technology allows the power supply to operate entirely without a big, heavy internal transformer and results in a very small, and lightweight device that can deliver a tremendous amount of power. This technology also generates highly efficient and clean DC output. This is especially valuable today as many R/C chargers utilize peak detection designs which are very sensitive and demand the cleanest power sources possible in order to maintain error-free operation.

## DC OUTPUT POWER



The Team CheckPoint 25 Amp Racing Power Supply has an adjustable output voltage range of 11-15V DC and provides a maximum 25 amps. For best results, setting this to approximately 13V will help ensure battery chargers have the power necessary to fully charge batteries to the very end. If it seems the battery charger is underpowered, increase the output voltage slightly.

## POWER SWITCH

The power switch has a red LED to clearly show when the switch is in the on position. The LED does not illuminate when the switch is in the off position. It's recommended to turn the power supply off when not in use to extend it's lifespan.

## COOLING FANS

Twin built-in rear mounted cooling fans keep electronics cool to help maintain optimum efficiency and extend the life of the power supply. One fan will begin to run immediately when power is switched on and will run constantly until power is switched off. The second fan is controlled by a sensor and will switch on and off as needed as heat within the power supply rises and falls.

## CASE

The case is vented to allow easy airflow across electronic components to assist the fans with cooling. The top of the case is flat to allow chargers and other devices to be easily stacked on top to free up much needed bench space.

**WARNING: NEVER** set any small objects such as nuts, screws, washers, etc. on top of the case because they could very easily fall through the vents and cause permanent damage to the power supply.

**WARNING: ALWAYS** have at least one inch of unobstructed area around both sides and rear of the case for good ventilation to allow the fans to properly cool the power supply.

## CONNECTING EXTERNAL DEVICES

Always connect the red (+) positive lead from your charger or other external device (or the included terminal block) to the red (+) positive terminal on the power supply, and the black (-) negative lead from your charger or other external device (or the included terminal block) to the black (-) negative terminal on the power supply.

**Note:** The black and red terminal caps can be unscrewed and removed if needed.

**WARNING: ALWAYS** ensure polarity is correct when connecting external devices to the power supply. Reverse polarity will not damage the power supply but it may damage the external device.

**WARNING: NEVER** attempt to connect batteries directly to the output of the power supply!

## TERMINAL BLOCK ADAPTER



A terminal block adapter is included for convenient connection of external devices which have alligator clips on their input power leads. This also allows the adapter to be located away from the power supply itself which can be very convenient in crowded work spaces. The terminal block has two large, metal terminals or “posts” which are clearly marked for polarity; one terminal is red for positive (+) polarity, the other terminal is black for negative (-) polarity. When connecting external devices to the terminal block, be sure to make a solid physical connection to avoid intermittent power delivery to the external device.

**WARNING:** Do not allow wires or other metal objects to accidentally make contact simultaneously with both terminals, as a short circuit condition will exist.

## SAFETY FEATURES

The Team CheckPoint 25 Amp Racing Power Supply has a 25 amp solid-state current limiter for overload protection, plus short circuit protection. If either of these conditions occur, disconnect the supply from the AC input, wait approximately 15 seconds to allow the device to reset, and then re-connect to the AC input.

Twin built-in rear mounted cooling fans keep electronics cool to help maintain optimum efficiency and extend the life of the power supply.

**WARNING:** Do not block the air vents on the power supply. Make sure there is ample room for air to enter and leave the power supply so heat can dissipate efficiently.

**1-YEAR LIMITED WARRANTY – \*USA AND CANADA ONLY**

Team CheckPoint warrants this product to be free from defects in materials and workmanship for period of one (1) year from the date of purchase. During that period, Team CheckPoint will, at its option, repair or replace without service charge any product deemed defective due to those causes. You will be required to provide proof of purchase (invoice or receipt). This warranty does not cover damage caused by abuse, misuse, alteration or accident. If there is damage stemming from these causes within the stated warranty period, Team CheckPoint will, at its option, repair or replace it for a service charge not greater than 50% of its then current retail list price. Be sure to include your daytime telephone number in case we need to contact you about your repair. This warranty gives you specific rights. You may also have other rights, which vary from state to state.

For service on your Team CheckPoint product, warranty or non-warranty, send it post-paid and insured to:

**HOBBY SERVICES**  
3002 N. Apollo Drive, Suite 1  
Champaign, IL 61822  
(217) 398-0007  
**[www.hobbyservices@hobbico.com](mailto:www.hobbyservices@hobbico.com)**

\*For warranty and service information if purchased outside the USA or Canada, see the additional warranty information insert (if applicable) or ask your retailer for more information.

**[www.teamcheckpoint.com](http://www.teamcheckpoint.com)**  
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