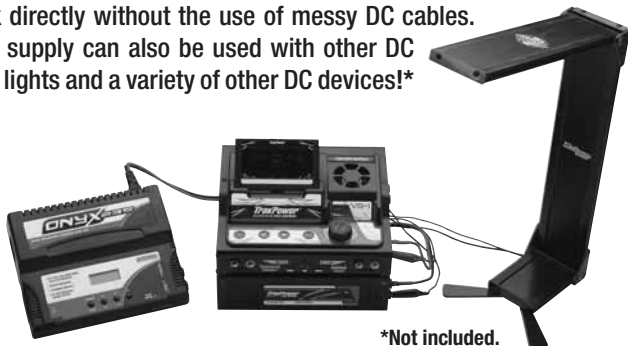


DPS *12V 25A* *Racing Power Supply*

INSTRUCTION MANUAL



The TrakPower DPS 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 enables the TrakPower VR-1 charger to dock directly without the use of messy DC cables. The DPS power supply can also be used with other DC chargers, DC pit lights and a variety of other DC devices!*



Special Features

- Direct Plug System – Allows TrakPower VR-1 to dock directly.
- Delivers up to 25A of clean, reliable power while maintaining 12V DC on the output.
- Built-in DC fan for better efficiency and lifespan.
- Short circuit, over-load, over voltage and overpower protection.
- Convenient 10 LED indicators showing output currents from minimum to maximum.
- Durable and lightweight case.
- Multiple 4mm banana output jacks for powering other chargers and DC devices.
- 5V/500mA USB output for charging phones, music players or other devices.†

† Some phones and music players may not be compatible.

Specifications

Input Voltage:	AC 100V-240V, 50-60 Hz
DC Output Voltage:	12V
DC Output Current:	25 amps max.
Output Connections:	3 total sets, 4mm banana jacks
Overload Protection:	25 amp solid-state current limiter
USB Output:	5V, 500mA
Case Size:	6 x 7 x 2 in (152.4 x 177.8 x 50.8mm)
Weight:	38.8oz (1100g)

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 TrakPower DPS 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 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 TrakPower DPS Power Supply has a fixed output of 12VDC and provides a maximum 25 amps. There are a total of three 12VDC outputs located on the charger. One is located on the top and is for allowing the TrakPower VR-1 Race Charger to be docked, eliminating DC power cables.

The other two outputs are located on the right side of the charger. These outputs can be used to power additional chargers and/or other DC powered devices.



Power Switch

The power switch is located on the rear panel of the power supply. This switch illuminates when it is in the on position. The switch does not illuminate when it is in the off position. It is recommended to turn the power supply off when not in use to extend its lifespan.

Cooling Fan

A built-in cooling fan keeps electronics cool to help maintain optimum efficiency and extend the life of the power supply. Never block the intake holes of the fan, to ensure the power supply will not overheat.

Case

The case is vented to allow easy airflow across electronic components to assist the fan 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: ALWAYS have at least one inch of unobstructed area around both sides and rear of the case for good ventilation to allow the fan to properly cool the power supply.

Connecting External Devices

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

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

Connecting the TrakPower VR-1 Charger

Located on the top of the power supply is a set of 12V DC banana terminals. These terminals are designed for use with the TrakPower VR-1 charger. A set of dual banana plugs is included with the charger to mate the charger and power supply together. See pictures below for installation:



Safety Features

The TrakPower DPS 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.

A built-in cooling fan keeps 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

TrakPower warrants this product to be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. During that period, TrakPower 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, TrakPower 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 TrakPower product, warranty or non-warranty, send it post-paid and insured to:

Hobby Services
3002 N. Apollo Dr.
Suite 1
Champaign, IL 61822
(217) 398-0007
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.

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