

## Quick Start Guide – HV\_Pro

This document is just a quick guide to get you up and running with the **HV\_Pro** as soon as possible.



VOLTAGE	CONTINUOUS (A) *	BURST (A)
16S 70V	400	600
20S 85V	300	450
24S 100V	200	300

\* Continuous current ratings are at 100% throttle. Sufficient airflow must be provided to achieve continuous current rating.

## Before Power Up

### ESC Configurator Tool:

1. Please scan QR code on box, or visit <http://github.com/AdvancedPowerDrives> to find the configuration tool you need to setup your **HV\_Pro**.
2. Connect the **HV\_Pro** to a Windows computer via the micro-USB cable to ensure the latest firmware is installed and adjust the settings to your preferences.

Now you're ready to start putting your system together! On the underside of the controller, and in the picture below you will find the wiring diagram you need to start soldering.

### Wiring

1. We strongly advise you use high flex, high temperature silicone cables for your power cables, for maximum performance and reliability. 8GA, 10GA, 12GA is recommended.
2. For configurations where the input leads are more than 1 meter from the battery, we recommend the use of a local capacitor bank to reduce input voltage ripple. \*\*
3. Once cabling is complete, ensure the ESC is installed in an area where it can be actively cooled.

**\*\* Input voltage ripple must be managed to a maximum of +/-5%. Increased input lead length, will require extra capacitance local to the ESC.**

## Wiring Diagram



## Assembly Instructions

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When soldering cables to your **HV\_Pro**, use the following pictures as a guide:



Figure 1. Phase Side Soldering – Please note, Phase A and B cables soldered to bottom side.

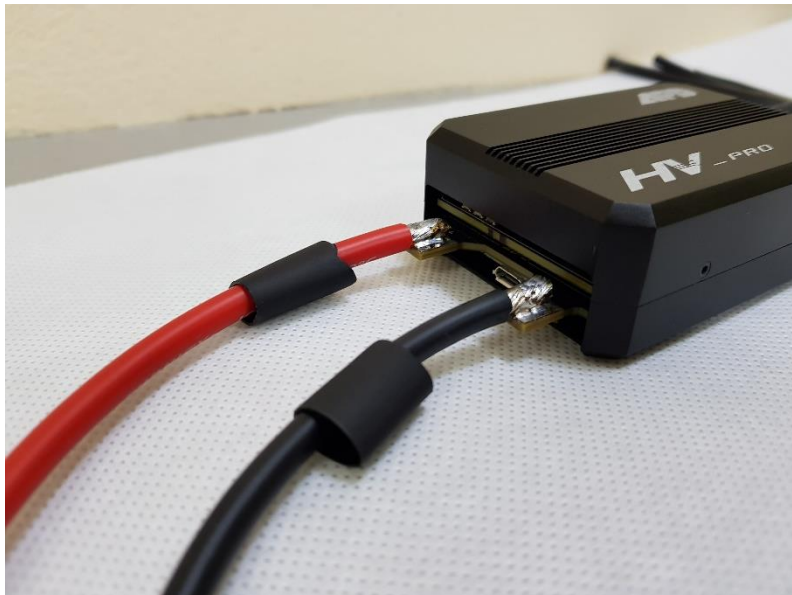


Figure 2. Input Side Soldering – Please note, Power cables soldered to top side of tabs.

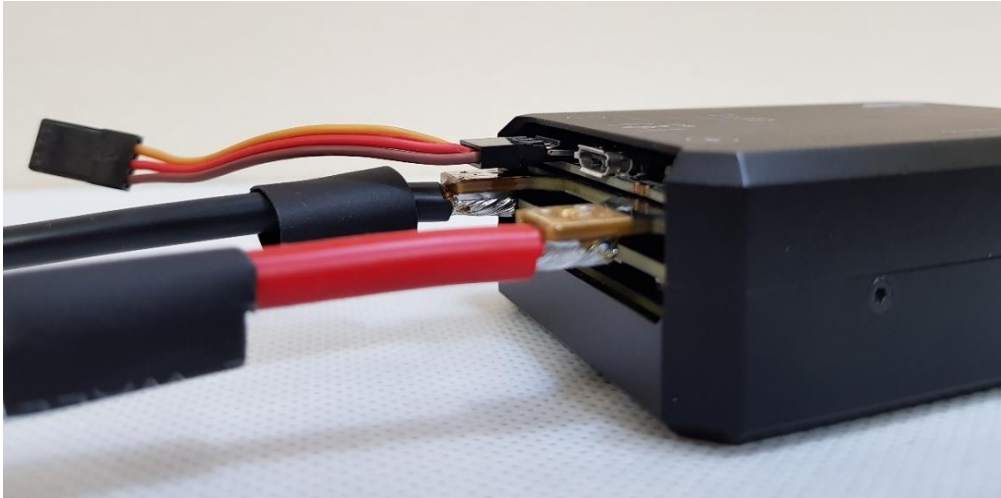


Figure 3. Side view of inputs, note the space between signal and Negative input.



Figure 4. Completed motor side



Figure 5. Completed Input side



Figure 6. Ready for install

## Warranty

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Your HV\_Pro unit comes with a 12 month replacement warranty for any and all manufacturing faults and failures.

Any goods modified from their original form, will void warranty. We will replace/repair items after inspection. Any items that have evidence of damage or misuse including crash damage, reverse polarity, incorrect installation or incorrect operation will void warranty.



Thank you

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**For further enquiries** and pricing, contact:

**[sales@powedrives.net](mailto:sales@powedrives.net)**

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