

# PLATINUM KV 180A **V5**



significantly improved  
heat dissipation



Constant speed  
performance upgrade



Built-in 12V  
Switch BEC



Support multiples  
backhaul protocols



Built-in anti-spark  
circuitry



Multiple  
protections

# Platinum HV 180A V5

## Constant speed performance upgrade, ultimate flight experience

The 32-bit processor combined with the RPM accuracy algorithm makes the ESC more powerful and more consistent, maximizing the RPM accuracy to enhance overall performance. The adjustable constant speed sensitivity allows every pilot to easily find a setting that suits them personally!



## Compact size with strong heat dissipation

The ESC is redesigned with a double-sided hollow heat dissipation structure as well as an addition side "window" design. The air is able to quickly pass through the inside of the ESC and take away the heat generated by the internal circuit board. This innovative air duct design is able to generate strong airflow on the entire ESC from the cooling fan. Overall, significantly improving the capability of heat dissipation.

Based on an excellent heat dissipation structure, the size and weight of the ESC are further reduced, making it highly suitable for lightweight models with weight requirements.

**Note:** The double-sided hollow heat dissipation structure has applied for a patent, please do not imitate it!

## Built-in 12V Switch BEC, stronger output capability

Built-in high current programmable switch BEC, the maximum output voltage 12V (5-12V adjustable), maximum output current up to 35A. The high-power BEC has added an anti-reverse circuit to use parallel with external batteries at the same time to provide double protection.

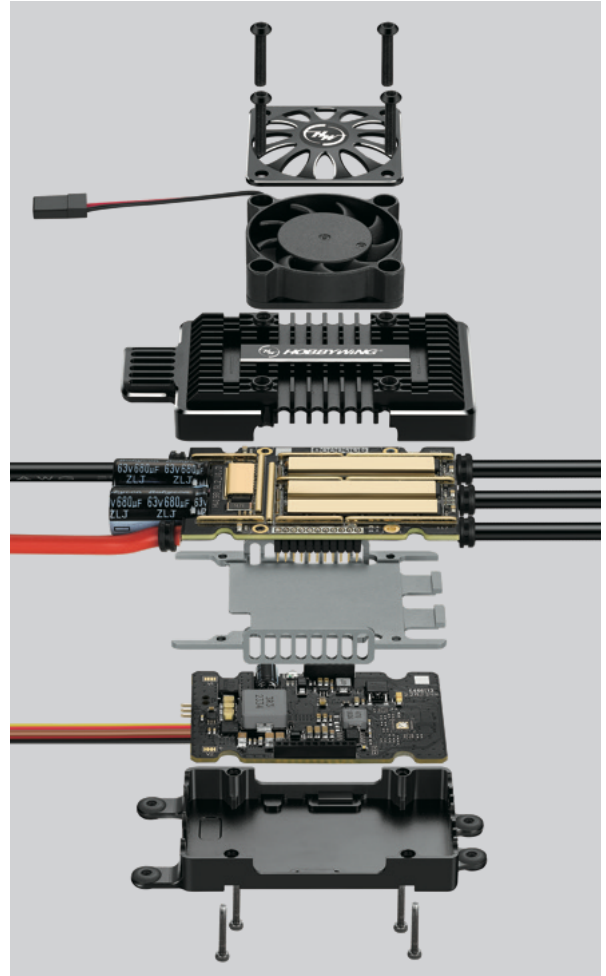


## Support multiples backhaul protocols, strong adaptability

Support Mikado VBar System, Futaba S.BUS2 and other devices' data return protocols. Users are able to adjust parameters on the remote-control device (VBar protocol support) or check the working status of the ESC at any time.

## Built-in anti-spark circuitry

The built-in anti-spark circuitry effectively eliminates the electric spark generated during the connectors are plugged to a battery, and prolongs the life-span of the connectors.



## Multiple protections, double security

It has multiple protection functions including start-up protection, current protection, temperature protection, capacitor temperature protection, overload protection, throttle signal loss protection, and input voltage abnormality protection, to effectively prolonging the lifespan of the ESC.

**Model:** Platinum HV 180A SBEC V5

**Continuous/instantaneous current:** 180A / 260A

**Input voltage:** 6-14S LiPo

**BEC Output:** Switch Mode: 5-12V & Cont. 10A, Peak 30A

**The input/output wire:** Red-10AWG-255mm\*1/Black-10AWG-255mm\*1  
Black-10AWG-150mm\*3

**Input Connectors:** No

**Program Port:** Separate Program Port

**Firmware upgrade:** Supported

**Telemetry Function:** Mikado VBar; Futaba S.Bus2; etc.

**Size/Weight:** 100.6x45.5x26.1mm (without fan) / 250.6g (without fan)

**The scope of application:** 550-700 class electric helicopter (main rotor length 550-700mm), or fixed-wing