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Flipsky Mini FSESC4.20 50A ESC Based Upon VESC With Aluminum Anodized Heat Sink for Rc Car

★★★★★ ▼ 58 Reviews 18 answered questions ID: 1349277

US\$64.99 ~~US\$77.99~~ -17% [Price alert](#)

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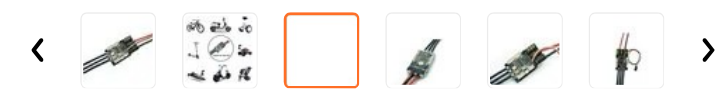
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to Germany via Banggood Express ▼

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Recommendation



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US\$61.99

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Total price: **US\$101.98**

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★ 2 reviews

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<div><div>1</div><div>DumboRC X6 2.4G 6CH Transmitter with X6FG Receiver fo...</div><div>US\$41.99</div></div>	<div><div>Description:</div><div>Item Brand:FLIPSKY</div><div>Item name:Mini FSESC4.20 50A</div><div>Weight: about 80g</div><div>Packaging weight:about 160g</div><div>Size:67x39x18.3mm(Include Heatsink)</div><div>Packaging size:200mm*140mm*40mm</div><div>Fit for:Electric Longboard RC Car/E-bike/E-scooter</div><div>If you want to know the difference between FSESC4.20 and FSESC4.12,please click here</div></div>	<div><div>Specs:</div><div>Hardware:V4.20</div><div>Firmware: Latest Version</div><div>Amps: 50A continuous / 150A peak</div><div>Cells: 3-13S LiPo</div><div>Voltage: 8V-60V</div><div>BEC: 5V@1.5A</div><div>BEC type: Internal driver support</div><div>Timing: Software calibration</div><div>Cutoff Voltage: Programmable</div><div>Frequency: PWM input</div><div>Governor: No</div><div>Weight: 80g</div><div>PCB Size: 39x46x17.4mm</div><div>Size:67x39x18.3mm(Include Heatsink)</div><div>Programming card: No</div><div>Reverse: Yes</div><div>For the manual,go here</div><div>For more information,please click here</div></div>	<div><div>Package included:</div><div>1X Mini FSESC4.20 + Aluminum Heatsink</div><div>1X USB micro Flash Charge VOCC Cable</div><div>1X SENSOR WIRES</div><div>1XManual</div></div>	<div><div>0</div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div>			
<div><div>2</div><div>Surpass Hobby Waterproof F540 V2 Sensorless Brushless Motor wit...</div><div>US\$32.99</div></div>							
<div><div>3</div><div>Racerstar LED Program Card For Racerstar Surpass Rocket ESC</div><div>US\$8.89</div></div>							

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The Most Budget-Affordable ESC base on VESC2.0, High Quality Assurance

4 URUAV 390/550 12V/6V
10000-23000 RPM Electric Motor...
US\$16.99



5 Flysky FS NB4 TR4 2.4G 4CH
Noble Radio Transmitter w/ HVG...
US\$195.99

The PCB adopts a gold-thickening process with 6-layer PCB layout design, the thickness of each layer copper foil is 3OZ, and the PCB total copper foil thickness is 18OZ.

Delicate design in details with high quality assurance



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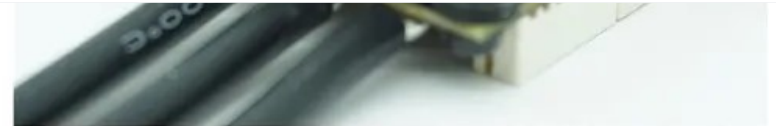
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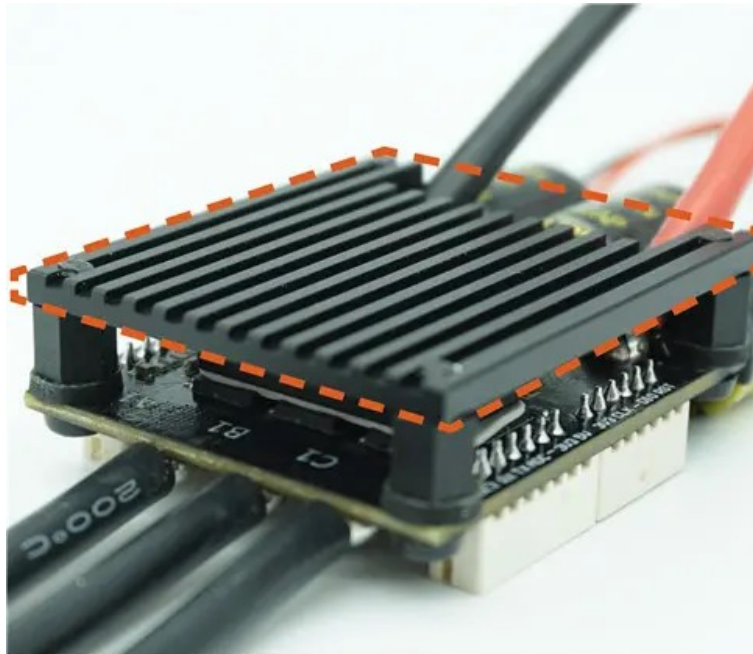
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Add anti-vibration silicon pad to screw the heatsink with PCBA to prevent the screw lost during long-time vibration.



Add Heat-transfer pad between heatsink and mosfets for better heat dissipation



The Heatsink is anodized with premium cosmetic



Add silicon gel to fix the capacitors, no worry any loose during long-time vibration.

Delicate design in details with high quality assurance

Overview

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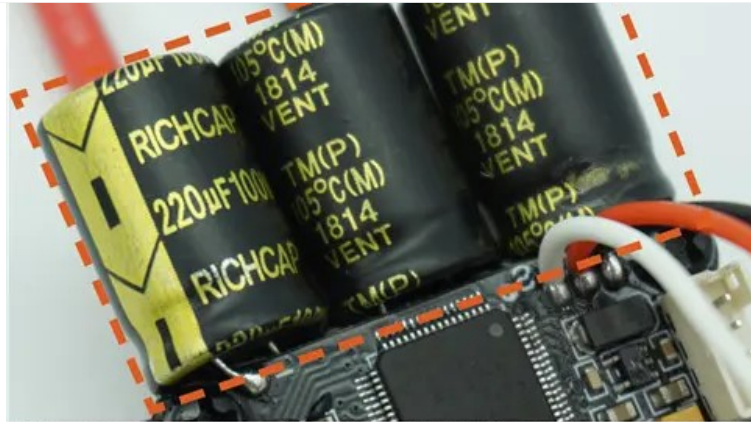
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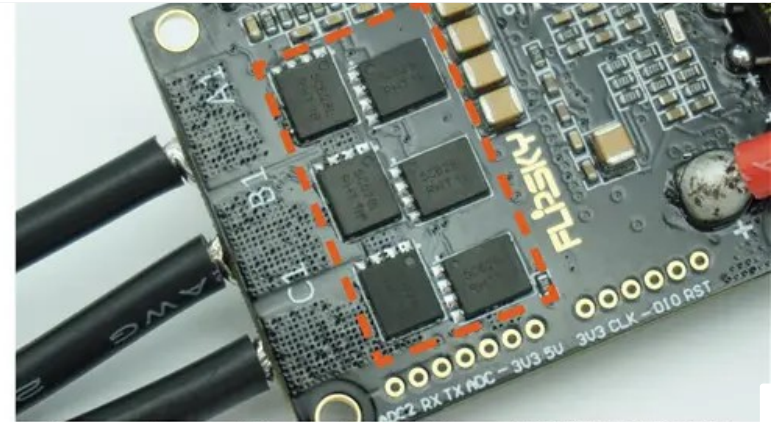
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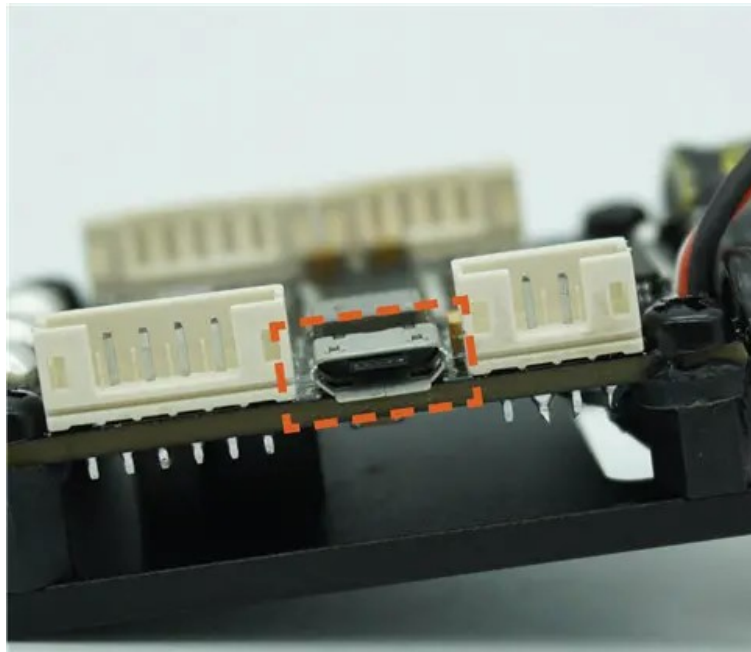
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Change to use 3pcs 220uf 100V MLCC, life test can reach 5000Hs, while marketing such MLCC life is about 3000H



Change to use 6Pcs authentic Power MOSFET (MODEL NO: NTMFS5C628NL) , imported from USA, that are used in FSESC6.6 with reliable quality



Change to use Micro USB port



Add fins shape heat sink , enough inner space for better heat dissipation

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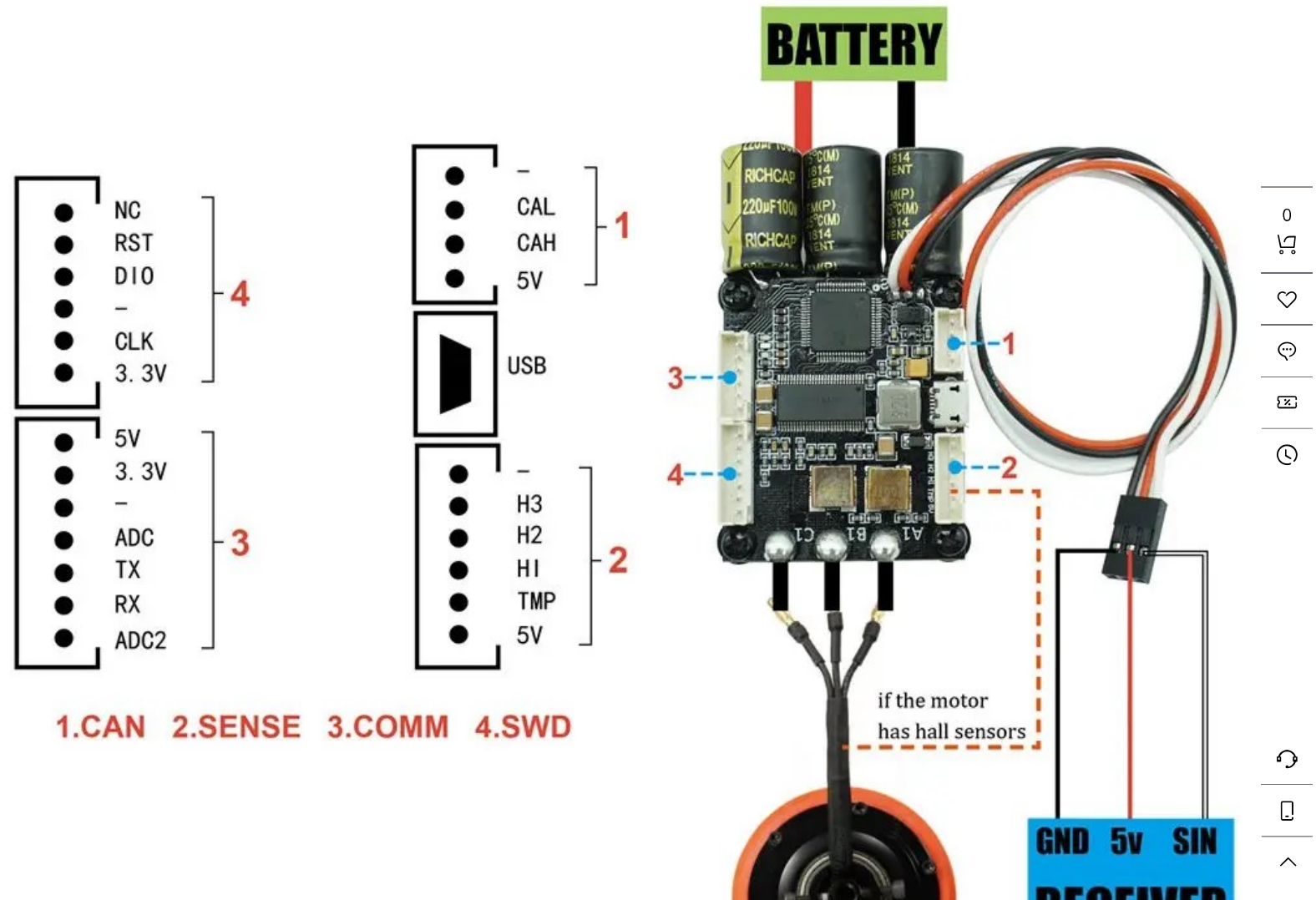
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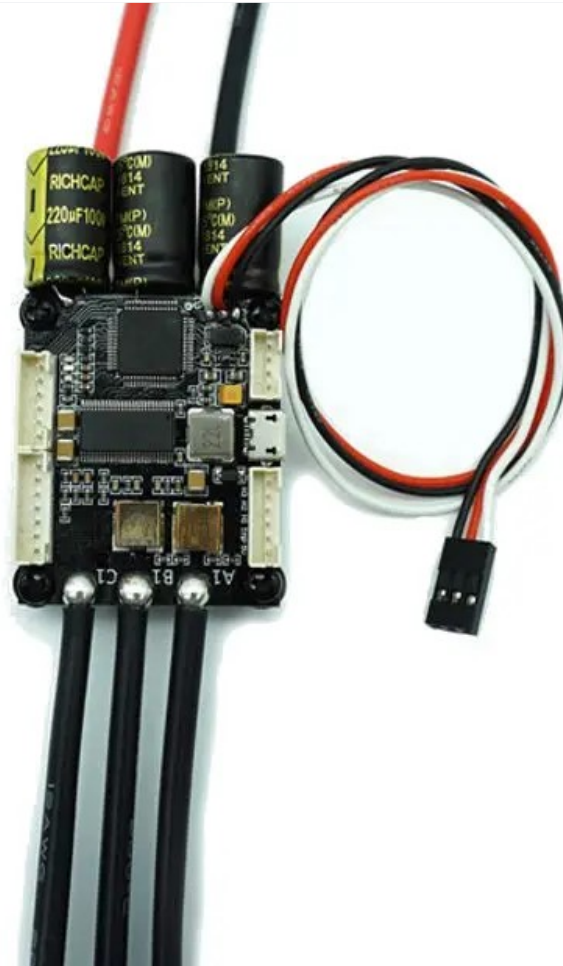
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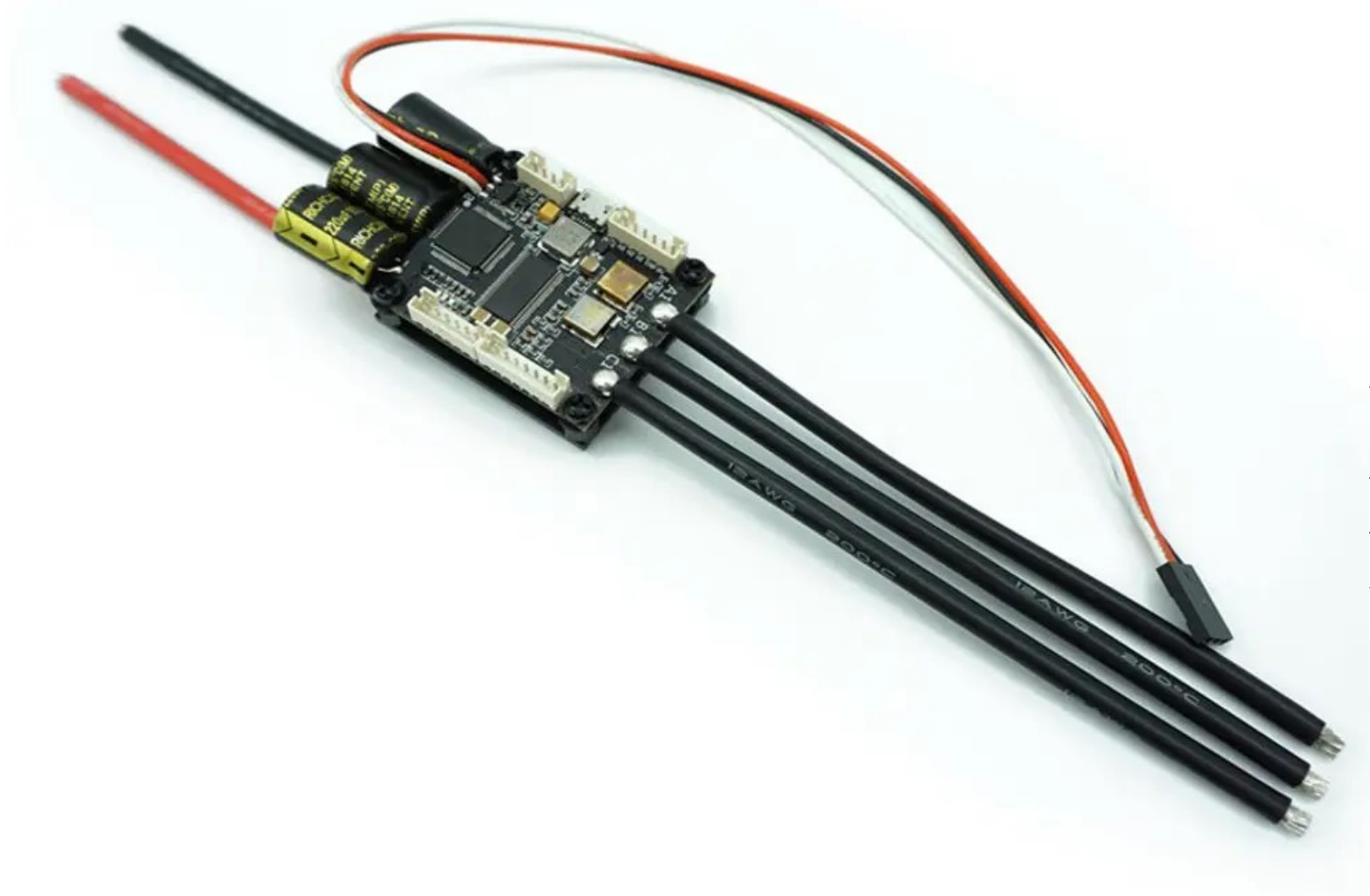
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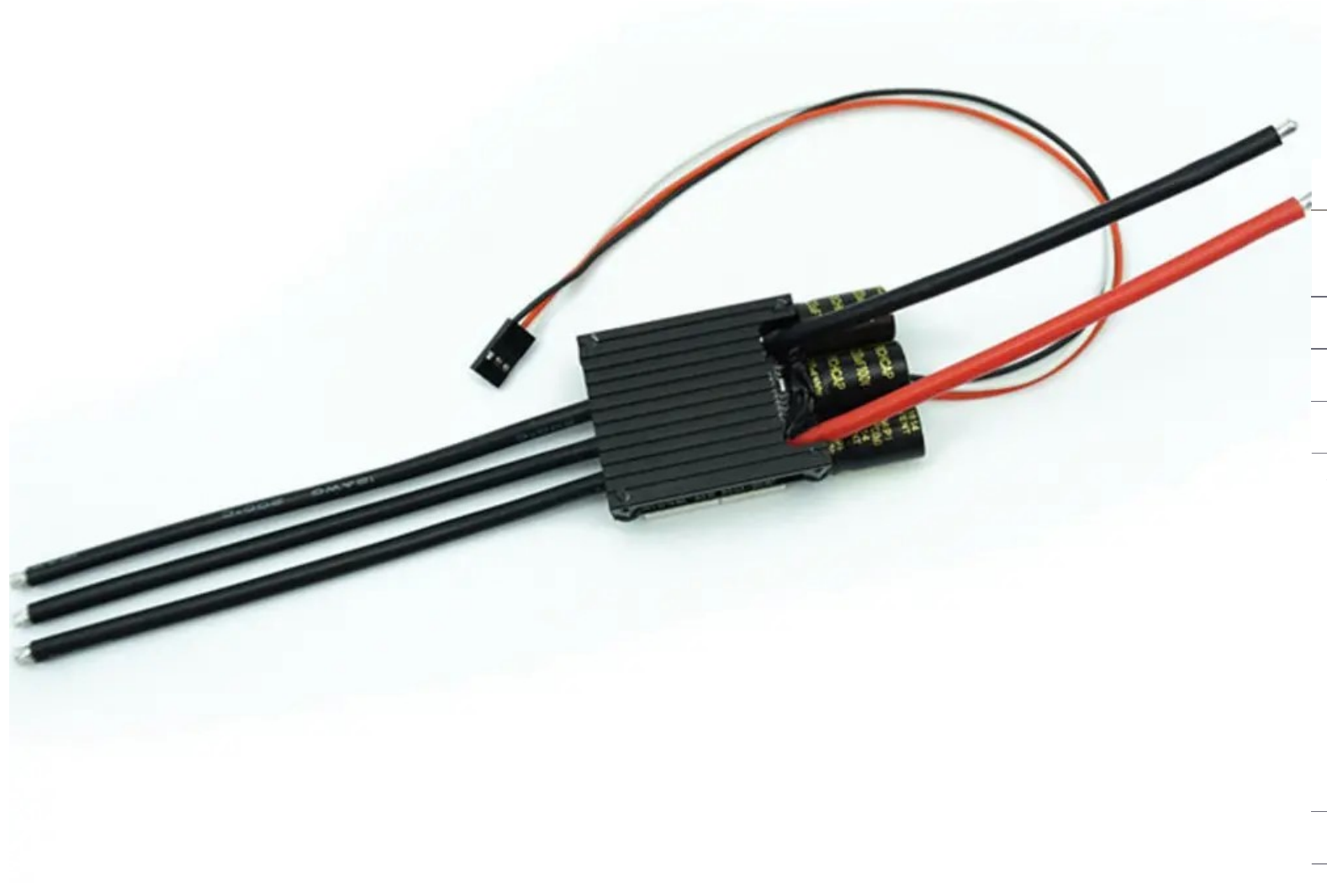
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★ 47 reviews



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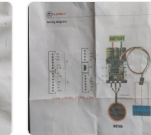
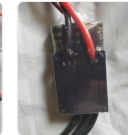
somedekin **VIP5**

FR



28/07/2020

This ESC is a pure marvel. It's crazy the possibilities offered: can control brushless motors as well as brushed motors. energy recovery, battery charging..... etc. Perfect for a scooter and other hoverboard by coupling them in two!



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Comments (1) ▼



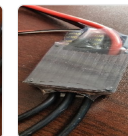
BG243556105 **VIP3**

PL



07/08/2020

Ordered on Sunday, came in on Friday. The quality seems to be very good.



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Comments

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MO

I highly recommend this product!!!



👍 0 Comments

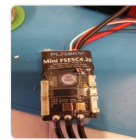


Semo97 **VIP5**

SA

★★★★★ 24/04/2020

Good quality. Easy to use. Has many features.



👍 0 Comments



yesilniyazi **VIP1**

TR

★★★★★ 19/03/2020

product was beautifully packaged. came pretty fast with dhl



👍 0 Comments



BG161114345 **VIP3**

GB

★★★★★ 11/01/2021

I didn't have a good experience with this controller mine came with broken pin connector I'm sure that is a one off but i also never got it to work it never spun my motor and the facebook esk8 community tried to help me out with video calls and do

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could be a one off but i see a lot of the same reviews online for the 4.20

👍 0 Comments



szabo_stefan1996 **VIP2**
RO

★★★★★ 30/04/2021

The shipping was really fast, 4 days to Romania. I ordered Sunday evening and received it Thursday evening. I haven't got the time to test them but they look fine and were sealed in electrostatic package.

👍 0 Comments



BG571817453 **VIP3**
SE

★★★★★ 01/10/2020

The controller is wrapped in a transparent plastic film that covers all connectors. So you need to remove it, or cut holes in it. The controller is very robust and compact and works flawlessly with the VESC firmware. A very good product.

👍 0 Comments



BG441681555 **VIP3**
CA

★★★★★ 26/02/2021

The controller was good. Nothing Broken, but next time please put it in a small box ,so that no damaged/broken. thank you.



👍 1 Comments (1) ▼

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Works amazingly well on my diy electric bike and a reverse engineered car generator as motor.

👍 0 Comments

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Q: Hi, Do you know if your FSESC 4.20 you're selling are from a batch made AFTER the change on the caps ? I heard that the first version has problems and some changes have been made on capacitors. Thanks your for your reply. Best Regards

A: I ordered two times : each time two fesc 4.2 mini and the first I received were without the modified capacitor on the power connection while the second batch I received did have the modification (while I run them all without trouble now that I re ordered once again I wish to receive only the latest one !)

Answered by Thechoosen One on August 23,2020 Helpful

▼ View more answers (3)



0

Q: Does it drives the motor in forward and backward direction ?

A: It can drive motor in both direction by configuring it in the free, open source VESC software

Answered by NickW2 on January 09,2019 Helpful

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Q: will u allow to program by user breaking power, regenerative breaking, motor push power from 0 (throttle curve)?

A: The ESC does allow for adjustable regenerative braking

Answered by NickW2 on January 09,2019 Helpful

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Q: can i use this for a 170kv, 2.8kw, 24V skateboard bldc motor? thank you

A: Yes,you can use this esc to work with 170kv 2.8kw motor

Answered by Tritavus on April 12,2021 Helpful



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Q: Can I use a hall sensor thumb throttle as an input?

A: Yes,if you use ADC wiring method,then you can use a hall sensor thumb throttle as an input

Answered by Linvil on March 08,2021 Helpful

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