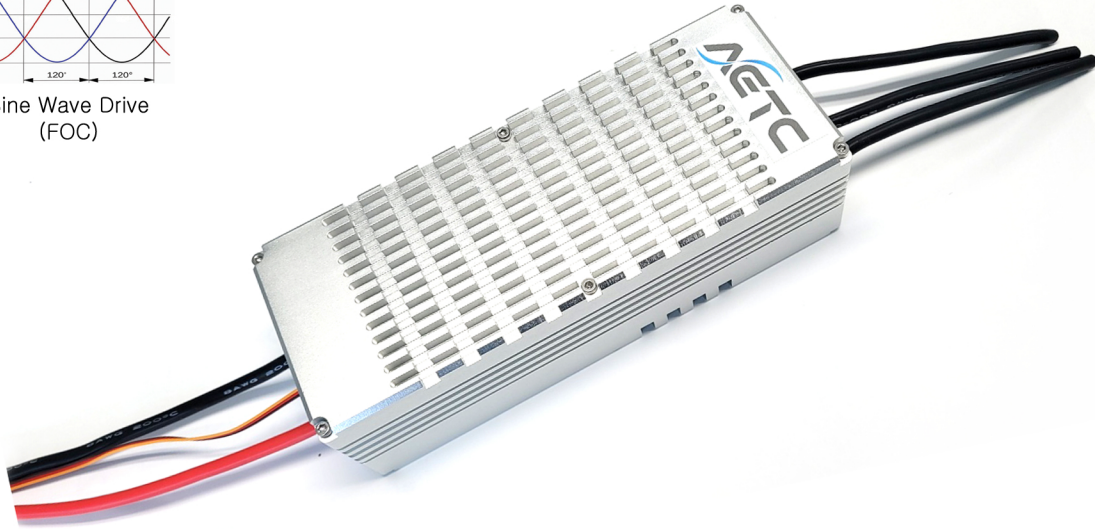
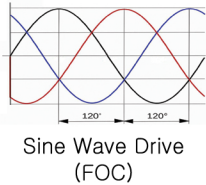


AETC 280

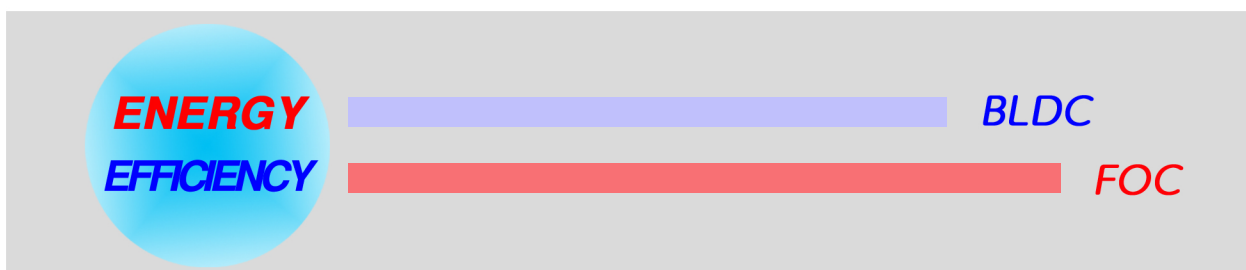
ADVANCED ELECTRIC TORQUE CONTROLLER



AETC(Advanced Electric Torque Controller), the trade mark of our own ESC, is a drone motor driving system developed first time domestically by our own FOC(Field Oriented Control) vector control technology differentiated from that of conventional BLDC controlled ESCs.

AETC 280 is suitable for super big scale drones such as UAM, PAV and large scale delivery drones by adopting safety system for passenger and pilot as well as optimum cooling system design for super high power and torque. AETC 280 has already been tested successfully its safety and performance through multiple national R&D consortium projects developing UAM or PAV.

AETC 280 shows off its high efficiency, quicker response, lower noise, excellent heat dissipation and precision control by adopting FOC technology driven by sine wave current control whereas conventional ESCs are driven by BLDC square wave voltage control. In addition, monitoring drone condition real time, AETC 280 can prevent incidents and enables a drone to fly efficiently by implementing intelligent protection circuit developed by our own fail-safe algorithm.



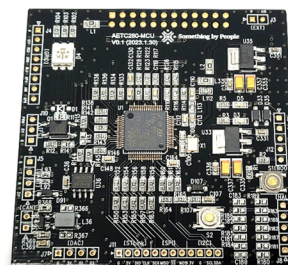
- Quicker response over conventional BLDC controlled ESC
- More efficient over conventional BLDC controlled ESC
- Lower noise by eliminating high frequency noise from motor
- Lower motor vibration by optimum FOC control algorithm
- Excellent heat dissipation over conventional BLDC controlled ESC

PARAMETER – AETC 280

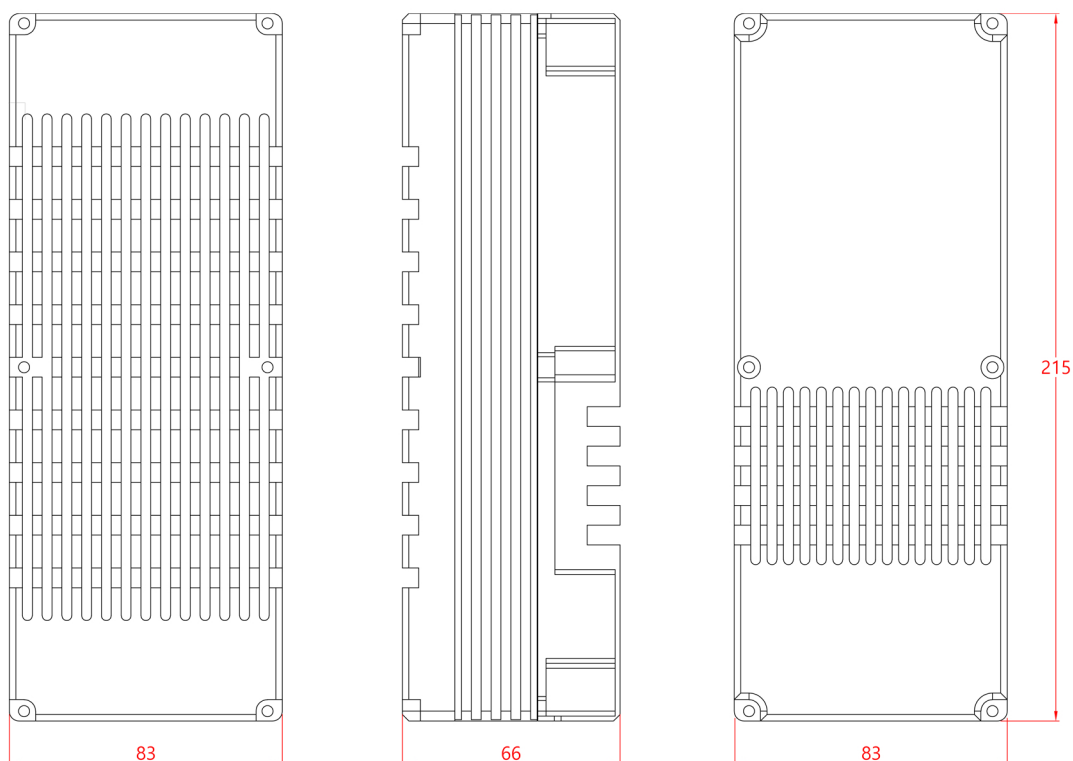
ESC type	ESC Stand-alone	Launching due	By latter half of 2024
Input voltage	24S	Control type	FOC
Size	215 X 83 X 66mm	Throttle operation range	1,000 ~ 2,000 μ s
Weight	850g (Cable excluded)	Throttle signal frequency	50 ~ 400Hz
Continuous current	240A	Operation temperature	-20℃ ~ 60℃
Max.current	280A	IP level	IP55

Fail Safe

- △ Over voltage
- △ Over temperature
- △ Communication error
- △ Motor stall
- △ Controlled current value error
- △ Current limit error
- △ Motor phase short
- △ Current derating according to voltage level



DRAWING – AETC 280



Something by People

Something by People

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