

Motor for Drones

EXEDY

Made in Japan

Under Development

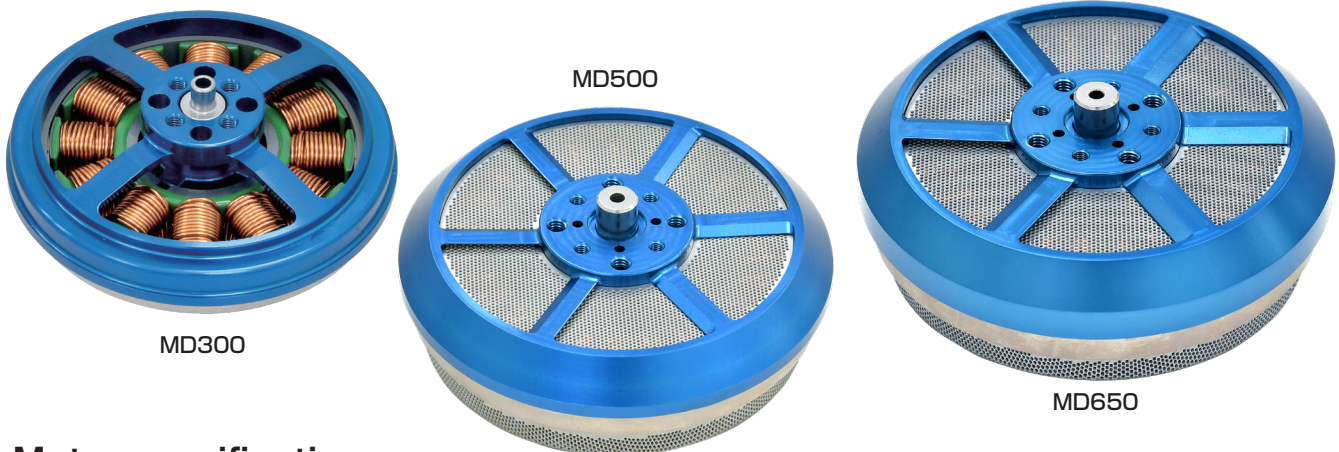
Concept

Highly efficient, lightweight, drone motor that contributes to extending the flight time of drones

Feature

- Low loss magnetic circuit design reduces loss in high rpm range
- Achieves significant weight reduction by structural optimization by FEM analysis
- Uses dustproof mesh to improve reliability and cooling performance (MD500, MD650)

Structure / Appearance



Motor specifications

Product number	MD300-1NN	MD500-1NN	MD650-1NN
Dimensions	Φ62mm × L29mm	Φ84mm × L30mm	Φ84mm × L35mm
Weight	170g	315g	425g
Rated Power	300W	500W	650W
Max rotation speed	10,000r/min	6,000r/min	7,200r/min
Voltage	22.2V (LiPo-6S)	44.4V (LiPo-12S)	44.4V (LiPo-12S)
RPM/V	420	125	150
Applicable propeller size	13~15inch	26inch	27inch