

P50M Propulsion System Specification

All-in-one thrust system specification

Model	P50M	Max Thrust	116 kg
Recommended takeoff weight per axis	50 kg	Efficiency of recommended takeoff weight	7.2 g/W / 6.3 g/W
Input voltage	280~450 V	Rated voltage	400 V
Rated output power (Max continuous)	5984 W	Tube outer diameter	Φ60 mm
Weight (with cable and Props)	6.2 kg*	Cable specification	Power cable: 10AWG 400 mm* Signal cable: 800 mm*
Operating temperature	-35~55 °C	Ingress protection	IP35

ESC specification

Rated voltage	400 V	Communication protocol	UAVCAN / RS485
ESC size	225.6*98*60 mm (With connector)	Weight (with cable)	1200 g*
Peak current(3s)	80 A	Continuous current	40 A
Ingress Protection	IP67	Throttle source	CAN+RS485 / CAN+PWM / RS485+PWM
Operating pulse width (calibration not supported)	1100~1940 μs	Black box	2~48h log

Motor specification

KV value	9KV / 11 KV	Slot & Pole	36N42P
Motor size	Φ167.1*H100.5 mm	Stator size	Φ156*H35 mm
Ingress Protection	IPX5	Weight (with cable)	4250 g*

Propeller specification

Model	MSC 64x20 / USC 54x23	Weight	860 g* / 707 g*
Material of propeller	Carbon fiber composite material	Mounting dimensions	D60-6*M6, center hole D20

*Subject to the actual product.