

P65M Propulsion System Specification

All-in-one thrust system specification

Model	P65M	Max Thrust	138 kg
Recommended takeoff weight per axis	65 kg	Efficiency of recommended takeoff weight	7.4g/W / 6.3 g/W
Input voltage	280~450 V	Rated voltage	335 V
Lithium compatible	96~107S (LiPo)	Tube outer diameter	Φ60 mm
Weight (with cable and Prop)	7450 g* / 7180 g* (10AWG 400 mm* Signal cable: 800 mm*)	Cable specification	Power cable: 10AWG 400 mm* Signal cable: 800 mm*
Operating temperature	-35~55°C	Ingress Protection	IP35
Rated output power (Max continuous)	8.8 kW		

ESC specification

Rated voltage	335 V	Communication protocol	UAVCAN / RS485
ESC size	225.6*98*60 mm (With connector)	Weight (with cable)	1200 g* (10AWG 400 mm* Signal cable: 800 mm*)
Peak current (3s)	100 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	9.5KV / 11KV	Slot& Pole	36N42P
Motor size	Φ167.1*H110.5 mm	Stator size	Φ156*H45 mm
Ingress Protection	IPX5	Weight (with cable)	5115 g* (enamelled wire outlet 200 mm)

Propeller specification

Model	MSC 72x25 / MSC 64x20	Weight	1150 g* / 870 g*
Material of propeller	Carbon fiber composite material	Mounting dimensions	D60-6*M6, centre hole D20

*Subject to the actual product.