

P50M 动力套装技术参数

P50M Propulsion System Specification

动力套参数 All-in-one thrust system specification

产品型号 Model	P50M	最大拉力 Max Thrust	116 kg
单轴推荐拉力 Recommended takeoff weight per axis	50 kg	推荐拉力力效 Efficiency of recommended takeoff weight	7.2 g/W / 6.3 g/W
电压范围 Input voltage	280~450 V	额定电压 Rated voltage	400 V
适配锂电池 Lithium compatible	96~107S (LiPo)	适用碳管直径 Tube outer diameter	Φ60 mm
动力套重量 (含线、桨) Weight (with cable and Props)	6.2 kg* (电源线: 10AWG 400 mm* 信号线: 800 mm*)	线材规格 Cable specification	电源线: 10AWG 400 mm* 信号线: 800 mm* Power cable: 10AWG 400 mm* Signal cable: 800 mm*
适用环境温度 Operating temperature	-35~55°C	防尘防水等级 Ingress protection	IP35
额定输出功率 (最大持续功率) Rated output power (Max continuous)	5984W		

电调技术参数 ESC specification

额定电压 Rated voltage	400 V	通讯方式 Communication protocol	UAVCAN / RS485
电调尺寸 ESC size	225.6*98*60 mm (带插头) 225.6*98*60 mm (With connector)	重量 (含线) Weight (with cable)	1200 g* (电源线: 10AWG 400 mm* 信号线: 800 mm*)
最大电流 (3s) Peak current(3s)	80 A	持续电流 Continuous current	40 A
防尘防水等级 Ingress Protection	IP67	双油门 Throttle source	CAN+RS485 / CAN+PWM / RS485+PWM
PWM脉宽 (不支持校准) Operating pulse width (calibration not supported)	1100~1940 μs	黑匣子 Black box	2~48h 实时数据 2~48h log

电机技术参数 Motor specification

KV值 KV	9KV / 11 KV	槽极数 Slot & Pole	36槽42极 36N42P
电机尺寸 Motor size	Φ167.1*H100.5 mm	定子尺寸 Stator size	Φ156*H35 mm
防尘防水等级 Ingress Protection	IPX5	电机重量 (含线) Weight (with cable)	4250 g* (漆包线直出200mm)

桨叶参数 Propeller specification

产品型号 Model	MSC 64x20 / USC 54x23	单支重量 Weight	860 g* / 707 g*
主要材质 Material of propeller	碳纤维复合材料 Carbon fiber composite material	安装尺寸 Mounting dimensions	D60-6*M6, 中心孔 D20 D60-6*M6, center hole D20

*存在误差，以实物为准。
*Subject to the actual product.