

P85M 动力套技术参数

P85M Propulsion System Specification

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

产品型号 Model	P85M	最大单轴起飞重量 Max single-axis takeoff weight	85 kg
最大拉力 Max thrust	173 kg	最大单轴起飞重量点力效 Efficiency of max single-axis takeoff weight	6.3 g/W
电压范围 Input voltage	315~480 V	额定电压 Rated voltage	355 V
动力套重量 (含线、含桨) Weight (with cable and propeller)	11134±20 g	适用碳管直径 Tube outer diameter	D80 mm-5mm壁厚 D80 mm-Thickness: 5mm
适用环境温度 Operating temperature	-25~55°C	线材规格 Cable specification	电源线: 10AWG 2000mm 信号线: 2300 mm Power cable: 10AWG 2000mm Signal cable: 2300 mm
额定输入功率 Rated power input	13.5 kW	额定输出功率 Rated power output	11.5 kW
防护等级 Ingress protection	IPX5		
线序定义 Signal cable define	蓝-CAN-GND、红-CANH、棕-CANL、黑-Shielded、绿-PWM、灰-PWM-GND、橙-DC24V+、黄-DC24V- Blue-CAN-GND, Red-CANH, Brown-CANL, Black-Shielded, Green-PWM, Gray-PWM-GND, Orange-DC24V+, Yellow-DC24V-		

电调技术参数 ESC specification

额定电压 Rated voltage	355 V	通讯方式 Communication protocol	CAN / RS485
电调尺寸 ESC size	211*104*78 mm	重量 (含线) Weight (with cable)	1760±10 g
最大电流 (3s) Peak current (3s)	120 A	持续电流 Continuous current	47 A
防护等级 Ingress protection	IP67	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	故障数据 & 日志 Fault data & log	支持 Supported

电机技术参数 Motor specification

KV值 KV	10.5 KV	槽极数 Slot & pole	36槽42极 36N42P
电机外径 Motor diameter	199.2 mm	电机重量 (含线) Weight (with cable)	7989 g
防护等级 Ingress protection	IPX5		

桨叶参数 Propeller specification

产品型号 Model	MSC 73x25	单支重量 Weight	1385±20 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*M8, 中心孔D20 D60-6*M8, centre hole D20