

# P115M 动力套装技术参数

## P115M Integrated thrust system specification

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产品型号 Model	P115M	最大拉力 Max Thrust	232 kg
额定拉力 Rated thrust	115 kg	系统力效 System efficiency	5.4 g/W
电压范围 Input voltage	500~850 V	额定电压 Rated voltage	720 V
适用机臂直径 Tube outer diameter	Φ80 mm (适配2~5 mm壁厚, 推荐3 mm、5 mm) Φ80mm (Suitable for wall thickness of 2~5 mm, recommend 3 mm and 5 mm)		
动力套重量 (含线、含桨) Weight (with cable and Props)	19.7 kg ± 50 g	线材规格 Cable specification	电源线: 12AWG*2000 mm 信号线: 2200 mm Power cable: 12AWG*2000 mm Signal cable:2200 mm
适用环境温度 Operating temperature	-35~55 °C	防尘防水等级 Ingress protection	IPX5
额定输入功率 (单电机) Rated power input (single motor)	10608 W	额定输出功率 (单电机) Rated power output (single motor)	9121 W
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	720 V	通讯方式 Communication protocol	CAN (可定制RS485) CAN (customizable RS485)
电调尺寸 ESC size	211 mm*104 mm*67 mm (不含插头) 211 mm*104 mm*67 mm (Without plug)	重量 (含线) Weight (with cable)	1880±50 g
最大电流 (10s) Peak current (10 seconds)	45 A	持续电流 Continuous current	15 A
防尘防水等级 Ingress Protection	IP67	双油门 Double throttle signal	CAN+RS485 / CAN+PWM / RS485+PWM
PWM脉宽 (不支持校准) Operating pulse width (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

定子尺寸 Stator size	156*50 mm	KV值 KV	5.5 KV
电机外径 Motor diameter	Φ167.1±0.1 mm	槽极数 Slot& Pole	36槽42极 36N42P
防尘防水等级 Ingress Protection	IPX5	电机重量(含线) Weight (with cable)	5172 g

### 桨叶参数 Propeller specification

产品型号 Model	MSC 64x23-P	单支重量 Weight	1035±20 g
主要材质 Material of Props	碳纤维直桨 Carbon unfolding Props	安装尺寸 Mounting dimensions	D60-6*M6, 中心孔 D20 D60-6*M6, centre hole D20