

X13 Propulsion System Specification

All-in-One Propulsion System Specification

Product name	X13	Max thrust	57 kg
Recommended takeoff weight per axis	25-27 kg	Efficiency of recommended takeoff weight	8.2-8.6 g/W
Compatible lithium battery	18S (LiPo)	Rated voltage	18S-70 V
Input voltage	24~81 V	Tube outer diameter	50 mm
Weight (with cable and propellers)	4087 g*	Cable specification	Power cable: 12AWG 1440 mm* Signal cable: 1640 mm*
Operating temperature	-20~50 °C	Ingress Protection	IPX6
Rated output power (Max continuous) 2900 W			

ESC Specification

Rated voltage	18S-70V	Communication protocol	UAVCAN
Peak current (3s)	200 A	continuous current	80 A
Throttle range calibration	Not supported	Throttle source	PWM+CAN
Operating pulse width	1050-1950 μ s	Fault storage	Supported

Motor Specification

KV	45 KV	Slot & Pole	36N42P
Stator size	Φ 138*H25 mm	Motor diameter	Φ 147.9 mm

Propeller Specification

Model	MFP 56x20	Total weight	805 g*
Material of blades	Carbon fibre-reinforced nylon composite material	Single blade weight	292 g*

* Subject to the actual product.