

X13 G2 Propulsion System Specification

All-in-One Thrust System Specification

Product name	X13 G2	Max Thrust	60kg (at sea level)
Recommended takeoff weight per axis	27 kg (at sea level)	Efficiency of recommended takeoff weight	8.6g/W (MFP56x20) 8.4g/W (MFC57x20)
Compatible lithium battery	18S (LiPo)	Rated voltage	18S-69V
Input voltage	25~80V	Tube outer diameter	D50mm
Weight (with cable and propeller)	4185g*	Cable specification	Power cable: 10AWG 1700mm* Signal cable: 1120 mm*
Operating temperature	-20~50 °C	Ingress Protection	IPX6
Rated power input	3160W	Rated power output	2700W
Pinout	Black-GND, White-PWM & Yellow-GND, Gray-CH, Green-CL		

ESC Specification

Rated voltage	18S (LiPo)	Communication protocol	Cyphal (UAVCAN)
Peak current (3s)	200A	Continuous current	70A
Throttle range calibration	Not supported	Throttle Source	PWM + CAN
Operating pulse width	1050-1950µs	Fault storage & Log	Supported

Motor Specification

KV value	45KV	Slot & Pole	36N42P
Stator size	138*25mm	Motor diameter	148mm

Propeller Specification

Default

Model	MFP 56x20 (Folding propeller)	Total Weight	811g*
Material of blades	Carbon fibre-reinforced nylon composite material	Single blade weight	293g*

Optional

Model	MFC 57x20 (Folding propeller)	Total Weight	805g*
Material of blades	Carbon fibre composite material	Single blade weight	250g*

*Subject to the actual product.