

X8 G2 Propulsion System Specification

All-in-One Propulsion System Specification

Product name	X8 G2	Max Thrust	17.5 kg (Sea level)
Recommended takeoff weight per axis	5-7.5kg (Sea level)	Efficiency of recommended takeoff weight	9.7-8.4 g/W
Compatible lithium battery	12S-14S (LiPo)	Rated voltage	14S-54V / 12S-46V
Input voltage	18-63 V	Tube outer diameter	D35 / D40mm
Weight (with cable and propeller)	1095 g*	Cable specification	Power cable: 14AWG 905 mm* Signal cable: 915 mm*
Operating temperature	-20~50°C	Ingress Protection	IPX6
Pinout	Black-GND, White-PWM & Yellow-GND, Gray-CH, Green-CL	Rated output power (Max continuous)	810 W

ESC Specification

Rated voltage	14S / 12S (LiPo)	Communication protocol	Cyphal (UAVCAN)
Peak current (3s)	80A (3s)	Continuous current	20 A
Throttle range calibration	Not supported	Throttle Source	PWM+CAN
Operating pulse width	1050-1950 μ s	Fault storage & Log	Supported

Motor Specification

KV value	100KV	Slot & Pole	36N40P
Stator size	81 * 20 mm	Motor diameter	88.6 mm

Propeller Specification

MFP 30x11S High speed propeller (Default)

Model	MFP 30x11S (Folding propeller)	Total Weight	193g*
Material of blades	Carbon fiber-reinforced plastics	Single blade weight	54.5g*

MFP 30x11 Normall propeller (Optional)

Model	MFP 30x11 (Folding propeller)	Total Weight	188g*
Material of blades	Carbon fibre-reinforced nylon composite material	Single blade weight	51.6g*

*Subject to the actual product. Two types of propellers available, MFP 30x11S high speed propeller is mainly used.