

# X9 Plus G2L Propulsion System Specification

## All-in-One Propulsion System Specification

Product name	X9 Plus G2L	Max Thrust	28 kg (Sea level)
Recommended takeoff weight per axis	12-14 kg (Sea level)	Efficiency of recommended takeoff weight	8.6-8.0 g/W
Compatible lithium battery	12S-14S (LiPo)	Rated voltage	14S-54V/ 12S-48V
Input voltage	18-63 V	Tube outer diameter	D45 mm
Weight (with cable and propeller)	1852 g*	Cable specification	Power cable: 12AWG 1050 mm* Signal cable: 1090 mm*
Operating temperature	-20~50 °C	Ingress Protection	IPX6
Pinout	Black-GND, White-PWM & Red-CH, Gray-CL	Rated output power (Max continuous)	1440 W

## ESC Specification

Rated voltage	14S / 12S (LiPo)	Communication protocol	Cyphal (UAVCAN)
Peak current (3s)	150 A	Continuous current	40 A
Throttle range calibration	Not supported	Throttle Source	PWM+CAN
Operating pulse width	1050-1950 $\mu$ s	Fault storage & Log	Supported

## Motor Specification

KV value	80 KV	Slot & Pole	36N40P
Stator size	96 * 20 mm	Motor diameter	104 mm (Fan 130 mm)

## Propeller Specification

Model	MFP 43x14 (Folding propeller)	Total Weight	427 g*
Material of blades	Carbon fibre-reinforced nylon composite material	Single blade weight	146 g*

\* Subject to the actual product.