

# X9 Plus Propulsion System Specification

## All-in-One Propulsion System Specification

Product name	X9 Plus	Max thrust	27 kg
Recommended takeoff weight per axis	11-13 kg	Efficiency of recommended takeoff weight	7.4-8.1 g/W
Compatible lithium battery	12S/14S (LiPo)	Rated voltage	12S-46 V/ 14S-54 V
Input voltage	18-65 V	Tube outer diameter	Φ40 mm
Weight (with cable and propeller)	1760 g*	Cable specification	Power cable: 12AWG 1000 mm* Signal cable: 1090 mm*
Operating temperature	-20~50 °C	Ingress protection	IPX6
Pinout	Black White-GND, PWM, Black Red White-GND, 5V, P	Rated output power (Max continuous)	1700 W
Size	149.6 * 104 * 130.5 mm		

## ESC Specification

Rated voltage	12S-46 V/ 14S-54 V	Communication protocol	UART
Peak current (3s)	150 A (3s)	Continuous current	40 A
Throttle range calibration	Not supported	Throttle source	PWM
Operating pulse width	1050-1950 μs	Fault storage	Not supported

## Motor Specification

KV value	100 KV	Slot & Pole	36N40P
Stator size	Φ96 * H20 mm	Motor diameter	Φ104 mm

## Propeller Specification

Model	MFP 36x19.0	Total weight	242 g*
Material of blades	Carbon fibre-reinforced nylon composite material	Single blade weight	75.5 g*

\* Subject to the actual product.