

X9 G2L Propulsion System Specification

All-in-One Propulsion System Specification

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|-------------------------------------|--|--|--|
| Product name | X9 G2L | Max thrust | 24 kg (Sea level) |
| Recommended takeoff weight per axis | 7-12 kg (Sea level) | Efficiency of recommended takeoff weight | 9.7-7.7 g/W |
| Compatible lithium battery | 12S-14S (LiPo) | Rated voltage | 14S-54V / 12S-48V |
| Input voltage | 18-63 V | Tube outer diameter | D40 mm |
| Weight (with cable and propeller) | 1532 g* | Cable specification | Power cable: 12AWG 1000 mm* Signal cable: 1090 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) | 1370 W |

ESC Specification

| | | | |
|----------------------------|-------------------|------------------------|-----------------|
| Rated voltage | 14S / 12S (LiPo) | Communication protocol | Cyphal (UAVCAN) |
| Peak current (3s) | 120 A (3s) | Continuous current | 30 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 | 110 KV | Slot & Pole | 36N40P |
| Stator size | 96 * 16 mm | Motor diameter | 104 mm (Fan 130 mm) |

Propeller Specification

| | | | |
|--------------------|--|---------------------|--------|
| Model | MFP 36x11 (Folding propeller) | Total weight | 287 g* |
| Material of blades | Carbon fibre-reinforced nylon composite material | Single blade weight | 82 g* |

* Subject to the actual product.