

# X11 Plus Propulsion System Specification

## All-in-One Propulsion System Specification

|                                     |                |                                          |                                              |
|-------------------------------------|----------------|------------------------------------------|----------------------------------------------|
| Product name                        | X11 Plus       | Max thrust                               | 37 kg                                        |
| Recommended takeoff weight per axis | 15-18 kg       | Efficiency of recommended takeoff weight | 7.4-8.0 g/W                                  |
| Compatible lithium battery          | 12S-14S (LiPo) | Rated voltage                            | 14S-54 V / 12S-46 V                          |
| Input voltage                       | 18-61 V        | Tube outer diameter                      | Φ50 mm                                       |
| Weight (with cable and propeller)   | 2490 g*        | Cable specification                      | Power cable: 1350 mm* Signal cable: 1100 mm* |
| Operating temperature               | -20~50 °C      | Ingress protection                       | IPX6                                         |
| Rated output power (Max continuous) | 2130 W         |                                          |                                              |

## ESC Specification

|                            |                   |                        |           |
|----------------------------|-------------------|------------------------|-----------|
| Rated voltage              | 14S-54V / 12S-46V | Communication protocol | UAVCAN    |
| Peak current (3s)          | 150 A (3s)        | Continuous current     | 50 A      |
| Throttle range calibration | Not supported     | Throttle source        | PWM+CAN   |
| Operating pulse width      | 1050-1950 μs      | Fault storage          | Supported |

## Motor Specification

|             |               |                |           |
|-------------|---------------|----------------|-----------|
| KV value    | 85 KV         | Slot & Pole    | 36N40P    |
| Stator size | Φ111 * H18 mm | Motor diameter | Φ120.1 mm |

## Propeller Specification

|                    |                                                  |                     |        |
|--------------------|--------------------------------------------------|---------------------|--------|
| Model              | MFP 43x14                                        | Total weight        | 455 g* |
| Material of blades | Carbon fibre-reinforced nylon composite material | Single blade weight | 146 g* |

\* Subject to the actual product.