

P65V Propulsion System Specification

All-in-one thrust system specification

Model	P65V	Max Thrust	116 kg
Recommended takeoff weight per axis (Within 5min)	65 kg	Efficiency of recommended takeoff weight	6.2 g/W / 5.6 g/W
Input voltage	280~450 V DC	Rated voltage	335 V
Lithium compatible	96~107S (LiPo)	Propeller Positioning	Intelligent Propeller Control
Weight (with cable and Props)	6165 g* / 6252 g* (Power cable: 10AWG 400 mm* Signal cable: 800 mm*)	Cable specification	Power cable: 10AWG 400 mm* Signal cable: 800 mm*
Operating temperature	-35~55°C	Ingress protection	IP35
Rated output power (Within 5 minutes)	10.1 KW		

ESC specification

Rated voltage	335 V	Communication protocol	UAVCAN / RS485
ESC size	225.6*98*60 mm (With connector)	Weight (with cable)	1200 g* (Power cable: 10AWG 400 mm* Signal cable: 800 mm*)
Peak current(3s)	100 A	Continuous current	40 A
Ingress Protection	IP67	Throttle Source	CAN+RS485 / CAN+PWM / RS485+PWM
Operating pulse width (calibration not supported)	1100~1940 μ s	Black box	2~48h log

Motor specification

KV	11 KV	Slot & Pole	36N42P
Motor size	Φ 167.1*H100.5 mm	Stator size	Φ 156*H35 mm
Ingress Protection	IPX5	Weight (with wire)	1345 g* (enamelled wire outlet 200 mm)

Propeller specification

Model	VSC 60x20 / USC 54x23	Weight	620 g* / 707g*
Material of propeller material	Carbon fiber composite material	Mounting dimensions	D60-6*M6, centre hole D20

*Subject to the actual product.