

IPET I9 Long-Endurance Integrated Propulsion System

Technical Specifications Reference

System Specs

Parameter	Value
Model No.	I9 KV68
Setup	I9 (Motor) + 14S FOC 50A (ESC) + I36 (Prop)
Recommended battery	12~14S (LiPo)
Rated thrust	4~4.5kg
Efficiency at rated thrust	12.7g/W (4.5kg)
Max. thrust	15kg
Tube size	50mm
Wire length	650±5mm
Weight	994±1%g (Incl. wires+prop)
IP	IP46
Recommended ambient temperature	-30~65℃

Motor Specs

Parameter	Value
Stator size	99*11mm
KV	68

ESC Specs

Parameter	Value
Throttle range	1040~1940us (Fixed)
Protocol	DroneCAN, UAVCAN
Control method	PWM/CAN
Max. voltage	61V
Peak current (for a short time)	50A (Open environment and temperature ≤60℃)
BEC	NO

Prop Specs

Parameter	Value
Model No.	I36 (Folding carbon fibre propeller)
Length	36 Inch (920mm)

Technical Drawing

