

IPET I7 Long-Endurance Integrated Propulsion System

Technical Specifications Reference

System Specs

Parameter	Value
Model No.	I7 KV80
Setup	I7 (Motor) + 14S FOC 50A (ESC) + I30 (Prop)
Recommended battery	12~14S (LiPo)
Rated thrust	2.5~3.5kg
Efficiency at rated thrust	12.8g/W (2.6kg)
Max. thrust	7.5kg
Tube size	30mm
Wire length	650±5mm
Weight	528±2%g (Incl. wires+prop)
IP	IP46
Recommended ambient temperature	-30~65℃

Motor Specs

Parameter	Value
Stator size	77*9mm
KV	80

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.	I30 (Integrated carbon fibre propeller - quick release version)
Length	30 Inch (762mm)

Technical Drawing

