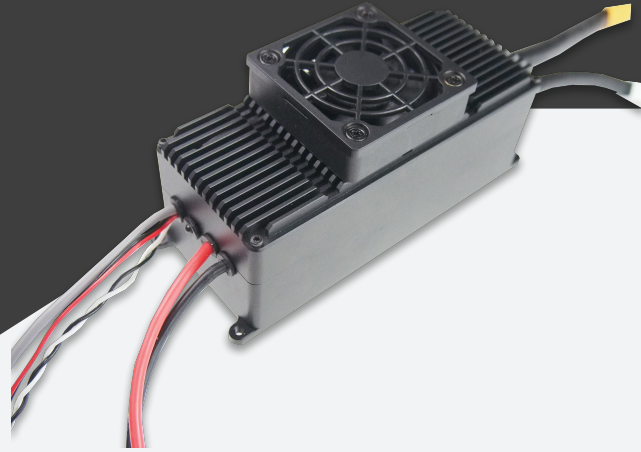


Power Modulation Unit (PMU)

Optional Extra



OPERATIONAL SPECIFICATIONS

Dimensions	135 mm x 52 mm x 63 mm
Weight	465 g
Max Output Power	DC 24V: 350W, DC 48V: 700W
Starting Options	PWM Remote Start/Manual
Max Current Output	15A
Engine Compatibility	INF 20 cc - 430 cc
Engine Starting RPM	1,800 RPM to 3,000 RPM
Power Output 60kv Alternator	3800 ~ 7000 RPM
Power Output 70Kv Alternator	4200 ~ 7800 RPM
Operating Temperature	-15°C to +50°C
Operational Altitude	0 - 12,000 ft

PART NUMBERS

IFPMU48V200	PMU 48v 200W
IFPMU48V300	PMU 48v 300W
IFPMU48V500	PMU 48v 500W
IFPMU48V700	PMU 48v 700W
IFPMU24V300	PMU 24v 300W
IFPMU24V500	PMU 24v 500W

PMU Features

Integrated Starter Alternator solution for small to medium UAV engines

Equipped with advanced closed-loop hall sensor technology for smooth and precise engine starting

Remote engine starting via PWM signal for full control and operational flexibility

Capability to disable power generation via a 0V signal, enabling maximum engine power and RPM during high-demand flight segments

In-flight restart capabilities for enhanced safety and risk mitigation in case of flameouts

Provides consistent power supply to flight packs, maintaining stable voltage throughout the flight

Compatible with INF ECU and INF Engines with Integrated Hall Sensor Alternators

