



AMC 6S20A

SPARROW SERIES

KEY FEATURES



Lightweight



Industrial-strength, longevity,
and protective cover sleeve



Fully tested

DATASHEET

Fly Higher. Fly Longer. Fly Smarter.

Uncrewed aerial vehicle (UAV) electronics have evolved to meet more demanding mission requirements. More demanding energy supply and controller designs continually improve on efficiency, ensure reliability, reduce weight, minimize heat dissipation, and lower cost. The greater levels of energy and performance efficiencies delivered in the Sparrow AMC 6S20A meets the most stringent payload demands and UAV design requirements.

Air Motor Controller

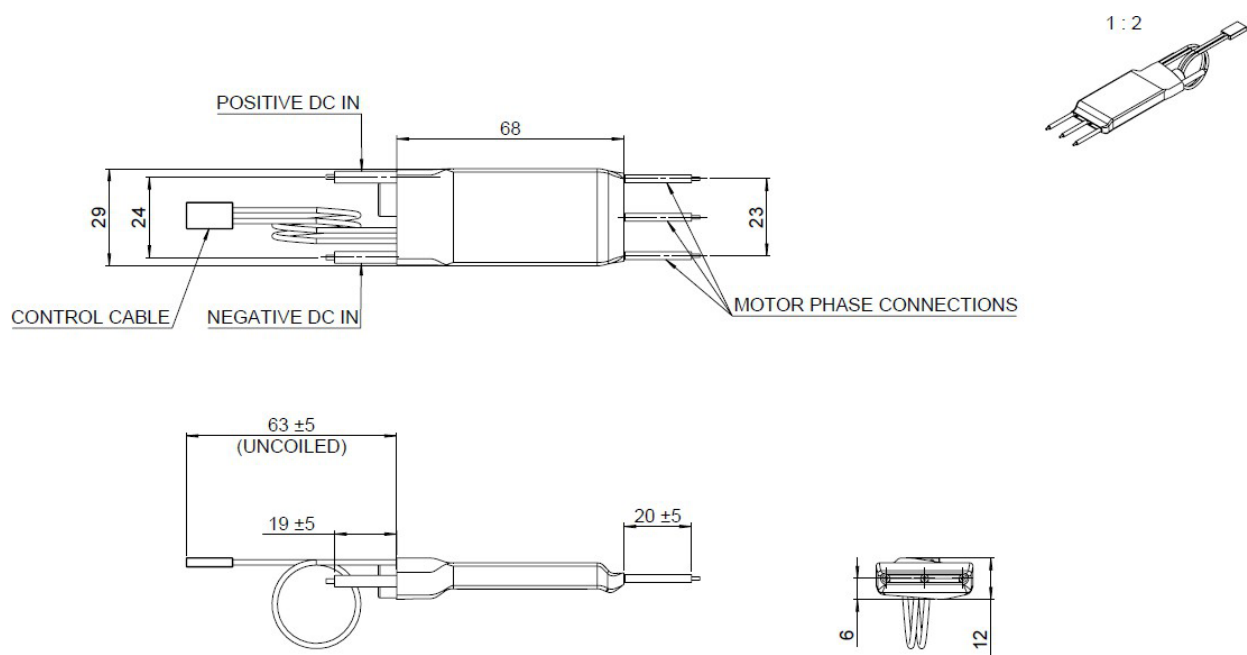
This ePropelled air motor controller (AMC 6S20A), or electronic speed controller (ESC), works alongside our lightweight Sparrow propulsion motors. Together, they create a high-performance, high-efficiency propulsion system for your aircraft for light- to medium-duty. Our AMCs transform DC input voltage into a 3-phase AC output voltage and act as the brain of the electric motor.



AMC 6S20A TECHNICAL SPECIFICATIONS

PARAMETERS	VALUES/DETAILS
Input voltage range	8.5V – 25.5V
Input battery configuration	2S – 6S
Motor compatibility	Sensorless
Peak current (10s)	30 A
Continuous current (180s)	20 A
Efficiency	Up to 90%
Ambient temperature range	-20°C to 50°C
Power cable	18 AWG Silicon Wire Black/Red
Motor cable	18 AWG Silicon Wire Black
Signal Cable	PVC Flat Cable – White/Black/JP 3P male Connector
Signal	PWM
IP rating	IP20 (Excluding JP 3P Connector)
Weight	30 g
Dimensions (L x W x H)	68 mm x 29 mm x 12 mm

MECHANICAL DIMENSIONS



*All Dimensions are in mm.

Note: All specifications are subject to change without notice. For more information, including ordering products, please contact us at info@epropelled.com | Phone: +1 (603) 236 7444

