

## EV Parts

- [Motors](#)
- [Controllers](#)
- [Throttles](#)
- [Batteries](#)
- [Chargers](#)
- [Wires and Connectors](#)
- [DC-DC Converters](#)
- [Contactors](#)
- [Books](#)
- [Tools](#)
- [Sprockets and Chains](#)
- [Gauges](#)

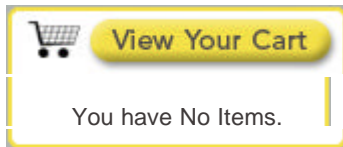
[EV Parts](#) > [Motors](#) > [PMAC](#)



\$450.00



[View PMAC Electric Drive Kits](#)



[PMAC Technical Drawings](#)

### MARS BRUSHLESS (PMAC Motor)

Permanent Magnet, 3 phase motor

POWER: 24-48 VDC BRUSHLESS MOTOR. NEW ADVANCED BRUSHLESS DESIGN of the DISCONTINUED B&S ETEK motor. Now back in production. 15HP peak, 6HP cont. 90% EFFICIENCY for much longer battery life.

BRUSHLESS DESIGN = 0 maintenance.

Originally designed for B&S 4.5 HP continuous outboard boating applications. Brushless Permanent Magnet Synchronous motor otherwise known as PMAC motor. Input voltage of 30-72 VDC. 100 amps continuous, up to 300 amps for 30 seconds. The phase resistance is very low at 10 milli-ohms, so it is 90% efficient. This motor has a built-in cooling fan set for a CCW direction, but can be run CW with optional fan. Motor weight is 22 pounds.

This motor is a direct replacement for the Etek (Briggs & Stratton) brushed DC motor. It is an Axial Air Gap permanent magnet motor. This technology is very compact. Highest potential power to weight ratio of any PM motor technology.

Commutation is accomplished with an internal Hall Cell assembly, connected to the 6-pin external wire harness.

Output Power, Torque and RPM:  
Voltage Constant: 70 RPM/VDC. Torque Constant: 1.20" lbs/amp. Max Motor Current: 300

A/1min. Weight: 22 Lbs. Dia. 8". Output: 15HP Max. 6HP Cont. Voltage: 24-48 VDC.

This Brushless motor requires a 3 Phase 8 Pole PMAC controller.



Power Curves  
(Sailboat)

[SHOPPING CART](#) | [ABOUT US](#) | [RETURN&SHIPPING POLICIES](#) | [PRIVACY POLICY](#) | [BLOG](#) | [EV FORUMS](#) | [CONTACT](#)

