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6KW AC Electric vehicle motor package

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Summary

Asynchronous 6Kw AC motor and control system for electric vehicle | Package comprises controller, motor and photoelectric encoder.

Asynchronous 6Kw AC motor and control system for electric vehicle | Matched controller, motor and photoelectric encoder. Â Package comes with external signal circuit, power converting module, control module, and driving module.

The controller uses the SPWM method, when working in the driving state it converts DC into AC using variable voltage to drive the motor, when working in the braking state, it converts the braking energy into DC to recharge the vehicles onboard batteries.



This motor can be connected direct to the vehicles gearbox drive shaft via an adaptor plate, with the other side of the motor connecting to the photoelectric encoder which measures the speed of the motor and feeds signals to the controller module. The photoelectric encoder converts the speed signal of the motor into two pulse signals, whose duty cycles are 50% and phases are 90° apart, rotation direction of the motor is controlled by the differences between the two phases. The frequency of pulse signals is proportional to the speed. Connection to all modules using aviation plugs ensures reliability and ease of installation. This motor will operate with input voltages between 24 and 400 Volts DC.

Speed-rpm: 0 - 2000 rpm
Power: 6 kw

Motor:	Brushless
Type:	AC Motor
Certification:	ISO9001
Voltage:	24 - 400 Volts DC
Control method:	SPWM
Regenerative Braking:	Yes

[Vendor Information](#)

Customer Reviews: There are yet no reviews for this product.
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