

Electric Motor Controllers For Traction Pump Fans

MADE IN TAIWAN



Description:

STARS motor controllers are designed for AC induction motor (IM motor), permanent magnet motor (PMAC), and BLDC motor. Motor controllers are designed to control motor in battery power traction and pump applications. The motor controller operate voltage from 24 to 96VDC and output current from 250 to 600Amps, the controller is suitable for rating 1.5 – 16 kW motors.

Applications:

The controller designed in programmable system it means the controller parameters can be programmed by different applications. The applications include high power motorcycle, scooter, pallet truck, scissor lift, stackers, sweeper/ scrubber machines, industrial vehicles, person carrier, electric tricycle, golf car, electric boats and light electric car.

- Suitable for AC induction motor (IM motor), permanent magnet motor (PMAC), and BLDC motor
- Low noise, high efficient and newest driving technology
- Programmable motor controller
- Support Encoder, Hall sensor, sin/cos sensor
- FOC and Sine wave motor controller
- Simple size and high weight/power density
- Three half bridge design which provide smooth and silent operation
- Four quadrant EV motor control technology
- Regenerative braking allows shorter stopping distances, increases battery charge and driving range, and reduces motor heating
- Anti-roll-back/Anti-roll-forward function
- Real time current control
- Motor stall protection
- Tyco waterproof 35-pin AMPSEAL connector
- CAN 2.0 function
- Real time status LED
- Work with STARS SmartView EV display
- 2 individual PWM drivers for main contactor and electronic magnetic brake
- Protect functions :
 - Over/Low voltage protection,
 - Motor temperature protect,
 - Over/Under temperature protection
 - Real time current protect

Contact Now:



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No 16-13, Ln 200, ShangZhu Rd. LuZhu Township, Taoyuan, TAIWAN



350-Series



450-Series



600-Series

	350-Series				450-Series				600-Series			
Motors	Induction motor (IM motor) , Permanent Magnet motor (PMAC), Brushless motor (BLDC motor)											
Voltage	24	48	72	96	24	48	72	96	24	48	72	96
Max. Current	350	350	300	230	450	450	400	300	600	600	600	500
Dimension(mm)	159 X 194 X 78.2				193 X 194 X 78.2				330 X 205 X 94			
Weight(kg)	1.9				2.5				4			
Efficiency	98%											
Connector	Tyco 35-pin AMPSEAL connector (Tyco p/n 776231)											
Algorithm	FOC and Sine wave											
Communication	CAN 2.0											
Sensor	Encoder, Hall speed sensor, Sin/Cos sensor											
IP rating	IP65											
Function	Programmable controller											
Isolation	Electrical isolation to heatsink: 500 V ac (minimum)											
Operation Temp.	-20 to 85 °C											
Motor Temp.	-20 to 140 °C											
Motor Temp. Sen.	TY-84/PT1000											

General Features include :

- Special design for STARS ACIM motor controllers.
- Multi-functional LCD electric vehicle computers indicate bar-graphics for battery voltage, driving current, controller temperature.
- Build-in CAN bus protocol V2.0.
- System error code message from controller.
- Individual control LED indicators for different purpose indicators.
- Odometer and total running timer are stored in memory.
- Build-in backlight
- Excellent water resistant, anti-vibration structure and noise immunity design



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