

XCA107 Motor Controller for Automotive Water Pump

Introduction

The XCA107 automotive water pump controller is designed to control the start/stop of water pump, flow and protect pump by detecting the water pressure or temperature signal. It not only ensures water pump operation, but also improves its operational efficiency, reduces energy consumption. The controller will monitor the water pump all the time, it will send an alarm when fault is detected, ensuring safety of water pump and vehicle and improving reliability of engine cooling system. Excellent compatibility with the electronic control unit (ECU) enables automotive water pump controller to collaborate with other electronic systems.

XCA107 automotive water pump controller can withstand long-term harsh environment such as vibrating, bumping and extreme weather conditions, achieving high reliability and durability.

High and low temperature (-40~125 degree) durability test

High and low temperature impact test

Salt Spray test

FOC control: high efficiency, low noise, quick response

PWM speed control.



XC Technology is an IATF16949 certified company

ISO11452-2 EMS level 4 and BCI 100MA certified

XCA107 Automotive Water Pump Controller	
1. Working voltage:	DC16~36V
2. Rated current:	4.6A
3. Operating temperature:	-40 ~ 125°C
4. Working humidity:	95% Max
5. Overall size:	61*56*17MM
6. Protection type:	Under voltage, over voltage, over current, low temperature, over temperature, plugging, reverse connection, short circuit protection
7. CSIPER 25 radiation and conduction level 3 certified	
8. ISO11452-2 EMS level 4 and BCI 100MA certified	
9. ISO10605 contact discharge 8KV and air discharge 16KV certified	
10. ISO16750 environment certified	
11. ISO7637 certified	



Shenzhen Xiongcai Technology Co., Ltd

Tel: +86-755-22183636 Fax: +86-755-23503296 Web: <http://en.xc-bldc.com>

Add.: 8E&10F, Kechuang Building, Quanzhi Science and Technology Innovation Park,
Shasong Road, Shajing St., Baoan District, Shenzhen, China 518104

XC Technology provides a full service, from design, analysis, prototyping to production.
The company tends to be at the leading edge of technological development and is able to
propel your technological aspirations to new heights.

We proud ourselves on providing reliable and durable products for industry leaders like
FAW group, Dongfeng NISSAN, Cummins, XPeng Aero car, Unicent and more.

