



CS1107

24V PWM Motor Controller and User Interface Display

Features/Benefits

- Very small size, also can be used as the user interface display
- Fully Programmable
- LED Diagnostic codes
- Designed and fully manufactured in the US
- Designed to comply with US and European regulations
- ASIC Technology



“The 24V scooter controller and user interface that fits in the palm of your hand.”



Description

The CS1107 is truly one of a kind in the electric scooter industry. Designed for light to medium duty permanent magnet motor applications. It is the smallest 24V motor controller in the industry today. The CS1107 is so small that it is capable of being mounted in the tiller enclosure of the scooter itself. Also, the CS1107 has an LED on the opposite side which can indicate power on/off, low battery voltage, error diagnostics, and charging status. This translates into significant reductions in component costs, production costs, and service costs to the OEM. The CS1107 is ideal for use on light weight travel scooters and shopper scooters.

About Us

Control Solutions LLC designs, manufactures and provides American made mobility products for the dealer-provider marketplace. We are committed to providing state-of-the-art designed products that will give the independent dealer a competitive advantage. Product reliability is our top priority. Significant investments into the design of our custom ASIC chip along with controller design and years of experience, has made our controllers an industry standard.

Control Solutions LLC is a pioneer of several industry standards and user features. We continue to innovate and evaluate new ideas and strive to help shape the future of electric mobility



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Specifications

CS1107 Specifications	Minimum	Typical	Maximum
Input Voltage – 24Vdc	17	24	33
Peak current limit* Amps		40	
Continuous current limit* Amps		20	
PWM Frequency – Khz		20	
EM brake output current Amps			1
EM brake activation timing		Automatic	
Operating Ambient Temperature °F (°C)	-40 (-40)	77 (25)	113 (45)
Stand-by current @24V – mAmps		30	
Physical Size, Inches (mm)		4.5 x 2.7 x 1.1 (114 x 69 x 28)	
Weight, lbs. (kg)		.16 (.07)	

* These parameters are programmable.

Specifications subject to change without notice.



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