

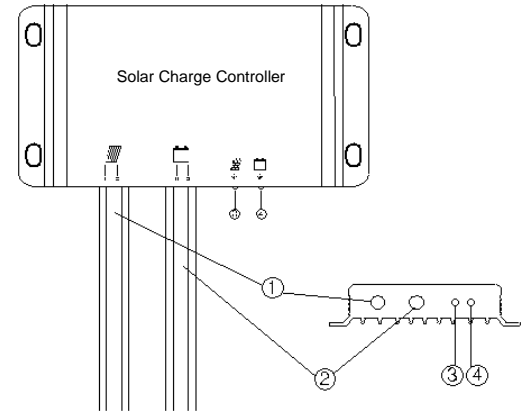
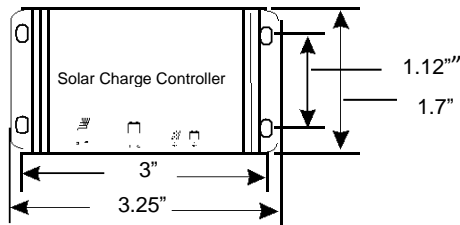
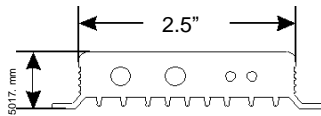
## Quick Start Guide

### Solar Charge Controller SCC11ARPM

#### Features

- ⊕ IP68 waterproof design
- ⊕ 12V battery systems
- ⊕ Charges most battery types including lithium
- ⊕ PWM 2-stage charger
- ⊕ LED status indicators
- ⊕ PV MC4 input and output connectors
- ⊕ Extended leads for installation flexibility  
1 ft input and 5ft output leads

#### Dimensions



1. Solar Input Cable & Connector
2. Battery Output Cable & Connector
3. Solar Charge Indicator
4. Battery Status Indicator

#### Wiring Instructions

Use caution when wiring your solar system. Light creates live power. To connect always connect the **battery first**, positive then negative. Once battery is connected, attach solar panel. To disconnect always disconnect the panel first, then battery. AIMS Power recommends using 10 AWG waterproof PV wire and good quality MC4 connectors. **NOTE POLARITY.**

The battery input cable includes MC4 connectors to keep the charge controller waterproof. You can use an extender cable (MC4 to lug ends) for your application. If you don't need an extender, simply cut off the MC4 connectors on the battery output cable and add lugs. Make sure all connections are tight and are good quality.

## Status LED Indications

| LED Indications          | Status         | Functions                  |
|--------------------------|----------------|----------------------------|
| Solar Charge Indicator   | Off            | Solar panel has no voltage |
|                          | Steady On      | Solar panel has voltage    |
|                          | Slow Flash     | Charging                   |
|                          | Quick Flashing | System over voltage        |
| Battery Status Indicator | Off            | Battery is not connected   |
|                          | Steady On      | Battery on                 |
|                          | Quick Flashing | Battery is over-discharged |

## Specifications

| SCC11ARPM                         | VALUE                          |
|-----------------------------------|--------------------------------|
| Battery System Voltage            | 12V                            |
| Max System Current                | 11A                            |
| No-Load Loss                      | 8mA                            |
| Max PV Input Voltage              | < 30Voc                        |
| Max PV Input Power                | 190W                           |
| Equalize Charge Voltage           | NA                             |
| Boost Charge Voltage              | 14.2V                          |
| Float Charge Voltage              | 13.8V                          |
| Boost Charge Recovery Voltage     | 13.2V                          |
| Over-discharge Recovery Voltage   | 12.6V                          |
| Over-Discharge Voltage            | 11.1V                          |
| Equalize Charge Duration          | NA                             |
| Boost Charge Duration             | 2 Hours                        |
| Operation Temperature             | -31°F to 140°F / -35°C to 60°C |
| IP Protection - Waterproof<br>UPC | IP68<br>840271005966           |

## Recommendations During Use

- ④ The controller generates heat during operation. AIMS Power recommends installing the charge controller in an environment with good ventilation.
- ④ Check your connections often. Make sure wires and MC4 connectors are in good condition and securely connected.
- ④ Charge controller is waterproof. Ensure wire is also waterproof.
- ④ It is important to fully charge the battery at least one full charge every month. Failure to do so may cause permanent damage to the battery. When charging the battery, make sure the load on the battery is lower than the charge rate so the battery gets a full charge. Incorporating a voltage meter into your system is recommended.
- ④ If you don't need to extend the battery cable, simply cut off the MC4 connectors and connect battery lugs. Not the polarity. Do **NOT** reverse. This will void the warranty.