

# HD2VCM

## Dual Channel 12V 35Amp Power Controller



### Technical Description

InPower's HD2VCM is a Dual Channel 12V 35 Amp Power Contactor designed to offer precise control for two independent +12V 35 Amp feeds, allowing seamless switching of loads. This versatile controller is equipped with a microprocessor, enabling it to perform various programmable functions based on customer-specified parameters.

This programmability enables different capabilities and configurations such as:

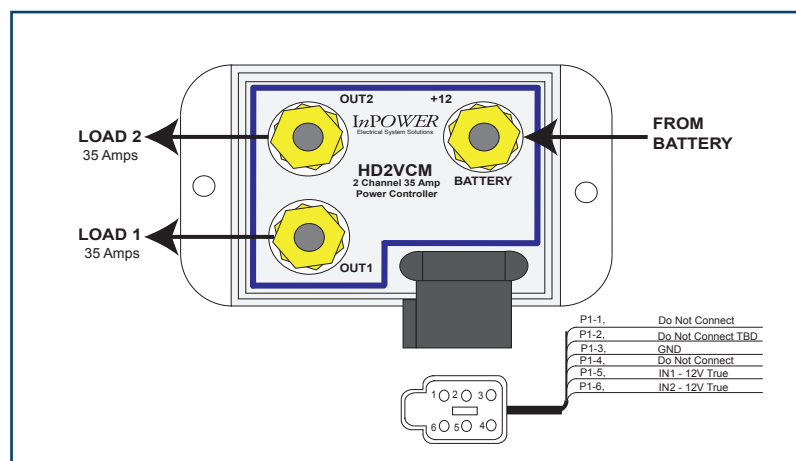
- 12V True activation
- Latching Output
- On-Delay of 10 Sec
- Off-Delay of 10 Sec
- One Shot
- Voltage Monitoring
- Current Monitoring
- Low Voltage Disconnects
- Solid State Contactors

To ensure that our customers find the most suitable configuration for their specific application, we encourage you to get in touch with InPower. Our expert team will assist you in selecting the appropriate configuration to meet your requirements. Simply reach out to us to request the desired configuration and receive personalized support. [sales@inpowerllc.com](mailto:sales@inpowerllc.com)

### Key Features

- **Low Power Consumption:** If the Control Voltages (In1,IN2) are not active, current draw is zero.
- **Dual Channel Control:** Provides precise control for two independent +12V 35 Amp feeds, allowing seamless switching of loads.
- **Versatility:** Equipped with a microprocessor, enabling the controller to perform various functions based on customer-specified parameters.
- **Comprehensive Functionality:** Offers voltage monitoring, current monitoring, low voltage disconnect, and efficient solid-state contactor control, providing a wide range of control options.
- **Command Interface:** User-friendly control interface via a 6 Pin Deutsch connector ensuring easy and secure connectivity.
- **Customizable Configuration:** InPower's expert team can assist customers in selecting the appropriate configuration ensuring the best fit for your requirements.

### Integration Diagram



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## Specifications

### Interface and Control

Battery: J1 Battery - Fused Power (J1 Stud)  
No Connect: Pin 1 - No Connection  
TBD: Pin 2 - No Connection  
Ground: Pin 3 - Solid Battery Ground  
No Connect: Pin 4 - No Connection  
IN1: Pin 5 - Control Interface (12V True)  
IN2: Pin 6 - Control Interface (12V True)

### Input Output Specifications

Output Drive: 35 amps at 12Vdc  
12V Switched Outputs: **OUT1** (J2) and **OUT2** (J3)  
IN1, IN2: 12V True Control Inputs for the Outputs

### Mechanical Specifications

Dimensions: 3.4 L x 1.88 W x 1.12 H inches  
Operating Temp: -40°F to 185°F

## Ordering Guide

Model	Configuration	Data Sheet
HD2VCM	2 Channel 35 Amp	PDS-261
HD2VCM-01	2 Channel 35 Amp Latching	
HD2VCM-03-10SF	2 Channel 35 Amp 10S On Delay Fixed	
HD2VCM-04-10SF	2 Channel 35 Amp 10S Off Delay Fixed	
HD2VCM-05-10SF	2 Channel 35 Amp 10S Oneshot Fixed	
Other Options Available on Request		

## Mechanical Drawing

