



Key Features

- **Low Power Consumption:** If the Control Voltages (IN1,IN2) are not active, current draw is zero.
- **Control:** Provides precise control for a +12V 70 Amp feed, 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.

Technical Description

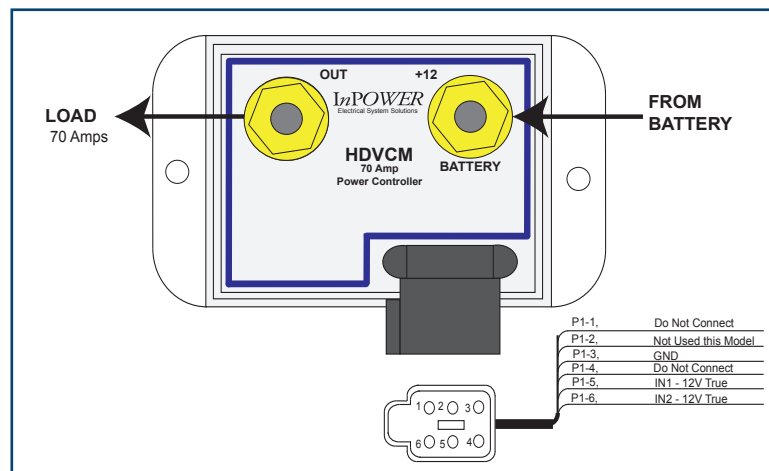
InPower's HDVCM is a 12V 70 Amp Power Contactor designed to offer precise control for a +12V 70 Amp feed, allowing seamless switching of loads. This versatile controller is equipped with a microprocessor, enabling it to perform various programmable functions based on customer-specified parameters.

This programmability enables different capabilities and configurations such as:

- 12V True activation
- Latching Output
- On-Delay of 10 Sec
- 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

Integration Diagram



Specifications

Interface and Control

Battery: J1 Battery - Fused Power from the J1 Stud
 No Connect: Pin 1 - No Connection (This Model)
 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: 70 amps at 12Vdc
 12V Switched Output: **OUT** 12V
 IN1 and IN2: 12V True Control Input for the Output

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
HDVCM	1 Channel 70 Amp	PDS-262
HDVCM-01	1 Channel 70 Amp Latching	
HDVCM-03-10SF	1 Channel 70 Amp 10S On Delay Fixed	
HDVCM-05-10SF	1 Channel 70 Amp 10S Oneshot Fixed	
Other Configurations are Available Upon Request		

Mechanical Drawing

