



# Rapid Shutdown Datasheet

## HRSD-2C

### Description

As part of Hoymiles rapid shutdown solution for PV system, HRSD-2C can be connected with two modules. It meets NEC 2017, NEC 2020, UL 1741 and SunSpec Rapid Shutdown requirements, guaranteeing PV system safety.

When installed with and receiving a "permission to operate" signal from Hoymiles Transmitter, HRSD starts proper operation of PV system. In case of emergency, PV system would enter module-level rapid shutdown mode by simply disconnecting the AC power of Transmitter or using an external initiator.

### Features

01

**Module-level rapid shutdown**  
Meets NEC2017&NEC2020 690.12 requirements and SunSpec RSD requirements

02

**Cost-effective**  
Two inputs

03

**PLC communication**  
Realize rapid shutdown with Transmitter

04

**Easy Installation**  
Plug & play, no configuration required

05

**High Efficiency**  
Lower power consumption and wider operating voltage range

06

**Low Noise**  
Much lower than arc noise. No risk of triggering AFCI

# Technical Specifications

Model	HRSD-2C
Electrical	
Input Voltage Range	8-80V
Output Voltage Range	16-160V (8-80V per input)
Maximum Current	15A (20A or 25A optional)
Maximum System Voltage	1000V (1500V optional)
Communication Type	SunSpec PLC
Shutdown Output Voltage	1V
Power Consumption	200mW
Mechanical	
Input Connectors	MC4 (standard)
Input Cable Length	0.45m
Output Connectors	MC4 (standard)
Output Cable Length	2.4m <sup>1</sup>
Dimensions	133 x 58 x 16mm
Environmental	
Operating Temperature Range	-40°C to +85°C (-40°F to +185°F)
Outdoor Rating	IP68/NEMA6P
Compliance	
Safety	UL1741, CSA C22.2 No. 330-17, IEC/EN 62109-1
EMC	FCC Part15 Class B, ICES-003, IEC/EN 61000-6-1/-2/-3/-4

\*1 Fits PV module in landscape and portrait installation.

