



## 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 NEC 2017&NEC 2020 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

<b>Model</b>	<b>HRSD-2C</b>
<b>Electrical</b>	
Input Voltage Range	8-80 V
Output Voltage Range	16-160 V (8-80 V per input)
Maximum Current	15 A (20 A optional)
Maximum System Voltage	1000 V (1500 V optional)
Communication Type	SunSpec PLC
Shutdown Output Voltage	1V
Power Consumption	200 mW
<b>Mechanical</b>	
Input Connectors	MC4 (standard)
Input Cable Length	0.45 m
Output Connectors	MC4 (standard)
Output Cable Length	2.4 m <sup>1</sup>
Dimensions	133 x 58 x 16 mm
<b>Environmental</b>	
Operating Temperature Range	-40°C to +85°C (-40°F to +185°F)
Outdoor Rating	IP68 / NEMA6P
<b>Compliance</b>	
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.

