

FranklinWH RSD Duo

A Highly Reliable Rapid Shutdown Device



The FranklinWH RSD Duo (hereinafter referred to as RSD Duo), featuring a redundant dual-circuit ("Duo") design that eliminates single-point failures, is a high-reliability rapid shutdown device designed to keep firefighters safe during an emergency. When paired with the aPower S, it meets UL 3741 certification requirements.

The RSD Duo stands out for its multiple advantages:

- ✓ Dual-circuit reliability, avoid single-point failure risk.
- ✓ Supports a maximum system voltage of 600 V.
- ✓ Allows a series connection of 2 to 5 units per PV string.
- ✓ Back-clamp side mounting and slim rail mounting support different roof layouts.
- ✓ IP67-rated enclosure.
- ✓ 25-year warranty.

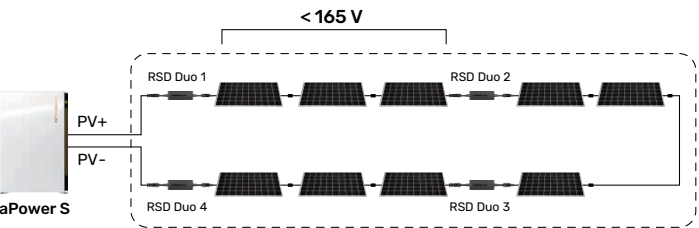
PERFORMANCE SPECIFICATIONS

Name	FranklinWH RSD Duo (RSD Duo)
SKU	ACCY-RSDV1-US
Nameplate / Certification Model	RSDV1
Maximum System Voltage	600 Vdc
Range of Input Operating Voltage	0 – 330 Vdc
Maximum Current	15 A
Maximum Short Circuit Current	20 A
Maximum Number of Devices per String	5
Control	Power Line Excitation
Passive State	Normally Open
RSD Startup Method	RSD switch on the aPower S, RSD switch on the aGate X, RSD switch on the MAC
Certifications	UL1741, UL3741, FCC Part 15 Class B

ENVIRONMENTAL SPECIFICATIONS

Enclosure Type	NEMA 4X / IP67
Operating Temperature Range	-22°F to 167°F (-30°C to 75°C)

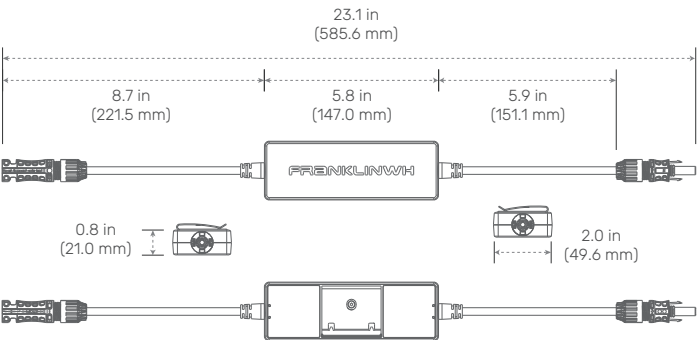
Typical Application of UL3741 PVHCS 165V Inside-the-array Listing



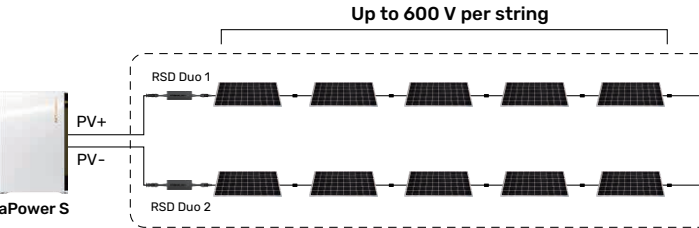
For string design, device placement and compatible racking, please refer to the FranklinWH RSD Duo installation manual and the FranklinWH RSD Duo and PV UL 3741 Compliance addendum.

MECHANICAL SPECIFICATIONS

Dimensions	2.0 in (W) × 5.8 in (H) in × 0.8 in (D) 49.6 mm (W) × 147.0 mm (H) × 21.0 mm (D)
Weight	0.6 lbs (273 g)
Mounting	Module frame or rail channel
Electrical Connection	MC4-Evo 2 connector
Housing	Plastic



Typical Application of UL3741 PVHCS 600V Listed Racking System



Compatibility: As of the publication date of this document, the FranklinWH RSD Duo (SKU: ACCY-RSDV1-US) is compatible only with aPower S models **APRS-10K15V1.1-US** and **APRS-10K15V1.1DCP-US**. This compatibility status remains in effect until further notice.