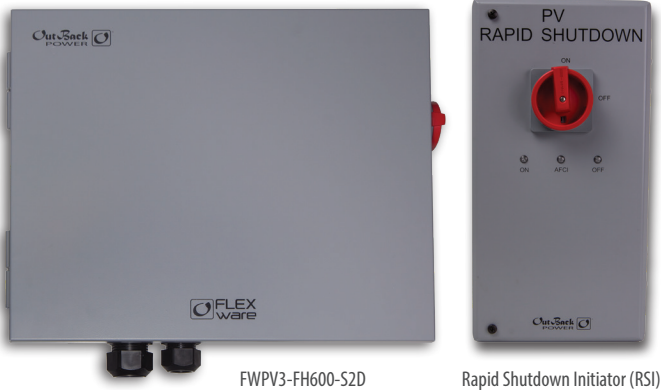




# FLEXware SkyBox Rapid Shutdown

Integrated Solution for PV Rapid Shutdown

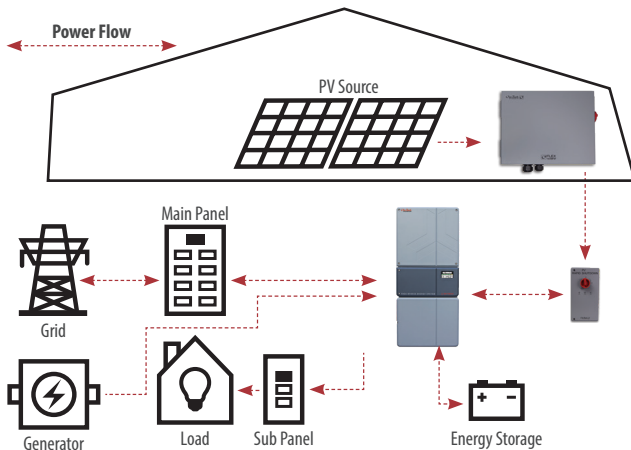


SkyBox RSD-1 System

## Features:

- End-to-end solution listed to UL1741
- Type 3R enclosures rated for indoor or outdoor installation
- Flexible design—install the combiner box vertically or horizontally and mount to racking or under an array
- Interoperable with compatible third-party PV rapid shutdown devices (PVRSE with dry contact)

## Typical System Integration



## OutBack provides a fully-compliant PV rapid shutdown equipment plus combiner solution with the SkyBox RSD-1.


The FLEXware SkyBox Rapid Shutdown meets the following 2014 National Electric Code (NEC) requirements:


NEC 690.12—Rapid shutdown (provides a means for first responders to safely de-energize controlled conductors)

NEC 690.15—DC disconnect (opens all ungrounded circuit conductors from all sources of power)

The SkyBox RSD-1 is rated to 600VDC for integration in a wide range of systems and designed for ease of service and clean wire management. Components can be ordered for alternative system needs, including use with grid-direct PV inverters, and stacked SkyBox's.

Packages	SkyBox RSD-1
<b>Description</b>	SkyBox RSD-1 package for battery-based PV systems
<b>Compatibility</b>	Three PV strings
<b>Combiner Box</b>	(1) FWPV3-FH600-S2D
<b>Power Supply</b>	Class 2 DC power supply included
<b>RSI</b>	1
<b>Rapid Shutdown</b>	Yes
<b>External Disconnect</b>	Yes
<b>PV AFCI</b>	N/A

Combiner Box	FWPV3-FH600-S2D	Product Image
<b>Description</b>	FLEXware SkyBox combiner box with PV rapid shutdown, and disconnecting means compatible with up to 3 PV strings, opens up controlled conductors within 10ft of PV array	
<b>Enclosure</b>	<b>MATERIAL:</b> Powder-coated aluminum <b>RATING:</b> Outdoor rainproof, UL type 3R <b>SECURITY:</b> Lockable	
<b>Mounting Options</b>	Vertical to horizontal, external feet provided for mounting	
<b>Number of String Inputs</b>	3	
<b>Total Maximum Current</b>	48V	
<b>Voltage Rating</b>	600VDC	
<b>Output Terminals</b>	#14 - 2/0	
<b>Input Terminals</b>	Cable glands #14 to 8 AWG (2.08 to 7.7mm <sup>2</sup> )	
<b>Operating Temperature</b>	-25 to 60°C	
<b>Overcurrent Protection</b>	Includes (6) 600VDC DIN rail fuse holders (fuses sold separately)	
<b>Switch</b>	Can be locked in off position	
<b>Accessories</b>	<b>FUSE-15-600VDC:</b> Box of ten, 15A fuses <b>FUSE-20-600VDC:</b> Box of ten, 20A fuses <b>LBL-PVRSS</b>	
<b>Dimensions H x W x D (in/cm)</b>	15.5 x 19.5 x 4.5 / 39.4 x 49.5 x 11.4	
<b>Weight (lb/kg)</b>	~12 / 5.4	
<b>Certifications</b>	UL1741 with PVRSE, UL 1699/1699B, CSA 22.2 1071-01 with PVRSE, FCC Part 15 Class B	

Rapid Shutdown Initiator	RSI	Product Image
<b>Description</b>	SkyBox RSD-1 RSI initiates a PV rapid shutdown event and provides indication for solar status	
<b>Enclosure</b>	<b>MATERIAL:</b> Powder-coated aluminum <b>RATING:</b> Outdoor rainproof, UL type 3R	
<b>Mounting Options</b>	Vertical	
<b>Input Terminals</b>	24-16 AWG (.20 to 1.31mm <sup>2</sup> )	
<b>Compatibility</b>	Can control up to 6 FWPV3-FH600-S2D combiners	
<b>Operating Temperature</b>	-25 to 60°C	
<b>Switch</b>	Can be locked in off position	
<b>LED Indication</b>	Solar on, solar off, AFCI	
<b>Dimensions H x W x D (in/cm)</b>	14.1 x 7.3 x 3.75 / 35.8 x 18.5 x 9.5	
<b>Weight (lb/kg)</b>	~4 / 1.8	
<b>Certifications</b>	UL1741 with PVRSS, UL 1699/1699B, CSA 22.2 1071-01 with PVRSS, FCC Part 15 Class B	

DC Power Supply	PWRSPLY-24	Product Image
<b>Description</b>	SkyBox RSD-1 comes with a class 2 DC power supply. Optional AC power supply or other class 2 power supply may be used instead.	