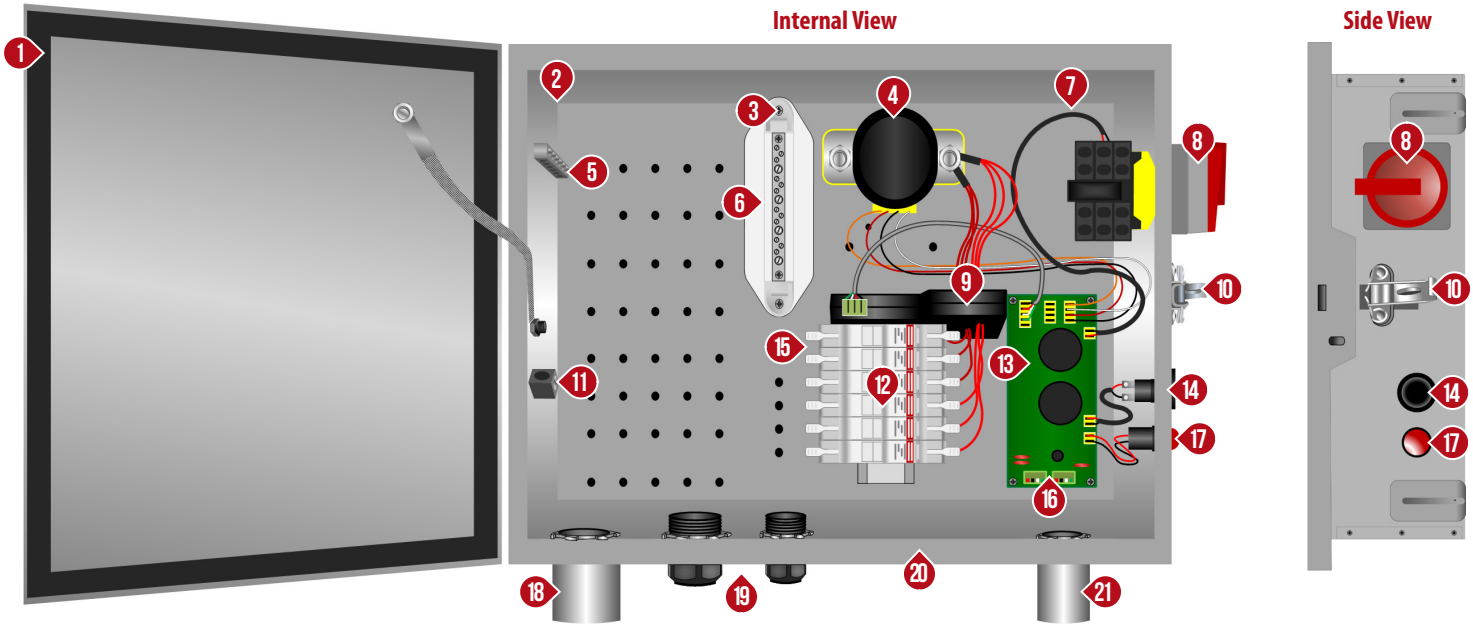
FLEXware ICS Plus Combiner Box

Features and Specifications of the OutBack FWPV6-FH600-SDA



OutBack's FLEXware ICS Plus package for battery-based PV systems represent the first end-to-end solutions listed to UL1741 with photovoltaic rapid shutdown systems (PVRSS).

Specifications	FWPV6-FH600-SDA
Description	FLEXware ICS Plus DC combiner box with PV rapid shutdown, AFCI and disconnecting means compatible with up to 6 PV strings, opens up controlled conductors within 10ft of PV array
Enclosure	**Material**: Powder-coated aluminum **Rating**: Outdoor rainproof, UL type 3R **Security**: Lockable
Mounting Options	Vertical to horizontal, external feet provided for mounting
Number of String Inputs	6
Total Maximum Current	96A
Voltage Rating	600VDC
Terminals	**Output**: 14 - 2/0 **Input**: Cable glands #14 to 8 AWG (2.08 to 8.4mm²)
Operating Temperature	-25 to 60°C
Overcurrent Protection	Includes (6) 600VDC DIN rail fuse holders (fuses sold separately)
Switch	Can be locked in off position
Accessories	**FUSE-15-600VDC**: 10 Box of (10) x 15A fuses **FUSE-20-600VDC**: 10 Box of (10) x 15A fuses **FH-30-1000VDC-DIN**: 30A, 1000VDC fuse holder
Dimensions H x W x D (in/cm)	15.5 x 19.5 x 4.5 / 39.4 x 49.5 x 11.4
Weight (lb/kg)	~12 / 5.4
Certifications	UL1741 with photovoltaic rapid shutdown systems, UL1699B, CSA22.2, NEC690, FCC Class B

FLEXware ICS Plus Combiner Box Features

1. Type 3R Enclosure with Gasketed Lid
2. Removable Component Panel
3. Negative Terminal Bus Bar
4. Main PV Contactor
5. Ground Terminal Bus Bar
6. PV Grounded Connections
7. Internal Pre-Wiring
8. PV Combiner Disconnect
9. Arc Fault Detection Device
10. Security Latch
11. Ground Cable Terminal
12. Fuse Holders
13. Combiner Control Board
14. Arc Fault Self-Test Button
15. PV Ungrounded Connections
16. RSI Communications
17. Arc Fault Annunciator
18. PV Output Conduit
19. PV Cable Glands
20. Surge Protection Device Knockout
21. RSI Communications and Power Knockout

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