

FLEXware™ PV

Advanced Photovoltaic Combiner

OutBack Power Systems™



The OutBack Power Systems FLEXware PV combiner series sets the new standard for PV balance-of-system hardware. Ideal for both small or large systems, the FLEXware PV8 and FLEXware PV12 accommodates the overcurrent protection requirements of your application. From 150VDC breakers for low voltage PV systems, to 600VDC fuse holders for high voltage PV systems, the FLEXware PV Combiner series handles it all.

Designed to survive in outdoor environments, the rainproof, UL type 3R powder coated aluminum chassis can be mounted on a wall, sloped roof or pole. The unique angled negative terminal bus bar design makes wiring fast and easy without the larger output conductors blocking access to the smaller input terminals. Dual output lug terminals are included for up to 2/0 AWG conductors. The tinted flame-retardant polycarbonate deadfront panel creates a clean appearance while preventing accidental contact with the live terminals and is easily removable during installation.

The FLEXware PV Combiner makes it easy to take your installation to the next level.

**Outdoor Rain-Resistant
Aluminum Enclosure**

**Optimized Wire Routing For
Easy Installation**

**Tinted Flame-Retardant
Polycarbonate Deadfront
Panel**

**Generous Wiring / Conduit
Knockouts**

**Wall, Roof or Pole
Mountable**

**Accommodates dual 2/0
AWG output wiring**

**Accommodates 150VDC DC
Breakers or 600 VDC Fuses**

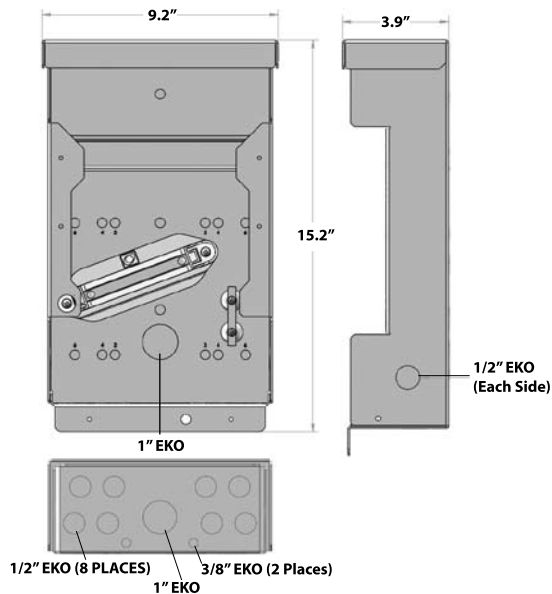
FLEXware™ PV Specifications

FWPV-8

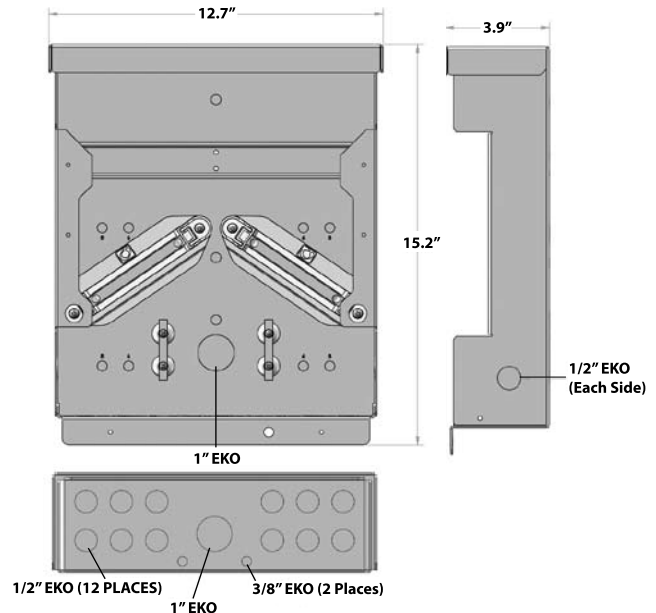
FWPV-12

Enclosure Material	Powder coated aluminum with stainless steel hardware	Powder coated aluminum with stainless steel hardware
Mounting Options	Vertical wall mount, pole mount or sloped roof mount to 14 degrees incline (3 in 12 roof pitch)	Vertical wall mount, pole mount or sloped roof mount to 14 degrees incline (3 in 12 roof pitch)
Enclosure Rating	Outdoor Rainproof, UL Type 3R	Outdoor Rainproof, UL Type 3R
Enclosure Security	Padlock hole in chassis and cover for up to 3/8 inch pad lock	Padlock hole in chassis and cover for up to 3/8 inch pad lock
Output Terminals	#14 - 2/0 AWG (2.08 - 67.43 mm ²) Two box lug terminals included	#14 - 2/0 AWG (2.08 - 67.43 mm ²) Four box lug terminals included
Number of separate circuits	One Circuit	One or Two Circuits
Number of 150VDC breakers	up to 8	up to 12 (two groups of six)
Number of 600VDC fuse holders	up to 6	up to 8 (two groups of four)
Input Terminal	150VDC Breakers / #14 - 6 AWG (2.08 - 13.3 mm ²) 600VDC Fuse / #14 - 10 AWG (2.08 - 5.26 mm ²)	150VDC Breakers / #14 - 6 AWG (2.08 - 13.3 mm ²) 600VDC Fuse / #14 - 10 AWG (2.08 - 5.26 mm ²)
Dimensions		
Unit (H x W x D)	15.2 x 9.2 x 3.9" (38.7 x 23.3 x 9.9 cm)	15.2 x 12.7 x 3.9" (38.7 x 32.2 x 9.9 cm)
Shipping (H x W x L)	4.3 x 9.5 x 19" (10.9 x 24.1 x 48.3 cm)	4.3 x 13 x 19" (10.9 x 33 x 48.3 cm)
Weight		
Unit	4.4 lbs (2.0 kg)	5.9 lbs (2.7 kg)
Shipping	5.5 lbs (2.5 kg)	7.4 lbs (3.3 kg)

FLEXware™ PV8



FLEXware™ PV12



OutBack
Power Systems™

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