



1500V Disconnect Combiners

ConnectPV Disconnect Combiner products are based on a core product architecture optimized for commercial and utility scale solar projects, simplifying design and specification. Options and accessories allow the designer to optimize the products for each project □ reducing installation labor costs.

ConnectPV products incorporate □best-in-class□ components combined with rugged mechanical designs to maximize reliability over the projected life of the project.

Compatible with grounded systems - negatively or positively grounded with fuses on the ungrounded string input conductors, or ungrounded systems with fuses on both string input conductors.

Standard Product Features

- 250A, 320A, and 400A UL98B Certified Manual Disconnects
- Lock-Out/Tag-Out on Disconnect Handle
- 8-32 Fused Inputs, #14-#6 AWG Wire Range
- Touch Safe Fuse-holders
- 15A Fuse Typical, 30A Maximum □ user specified
- M10 or M12 Studs provided for single or double hole lugs
- Accommodates 90C Cu/Al Mechanical or Compression Lugs
- Internal Safety Cover over all live components
- NEMA 3R, 4, and 4X Enclosures
- Padlock Latch for Door
- Unique Serial number per unit
- Labelling to meet NEC Requirements
- 5 Year Warranty

Product Options

- Class 2 40kA Surge Protective Device
- Mechanical Lugs Installed or Compression Lugs Included
- Breather Vents for High Humidity Locations
- H4 or MC4 Bulkhead or Whip Connectors Installed
- Upsized Enclosures for Larger Output Wires
- Mounting Brackets Installed
- Extended Warranty



Certified
Manufacturing



LISTED





ConnectPV reduces electrical BOS project costs by simplifying:

► Configuration

Design Engineers easily configure our products to meet the project's requirements *□ Simplifying design and specification*

► Regulation

AHJ Inspectors quickly review and approve our products because we have designed for 100% compliance with the NEC and UL Standards *□ Reducing project inspection and approval time*

► Installation

Field Installers quickly install our products because they provide ample wiring room - *Reducing installation time and labor cost*

► Operation

O&M Personnel reduce field service time because our products use high quality components and are designed for a 20 year life expectancy *□ Maximizing system revenue generation*

Typical Input Characteristics				Grounded Systems		Floating Systems	
Input Circuits	Standard Disconnect Ampacity	Input Wire Size	Output Type	NEMA 4 Steel (inches)	NEMA 4X Fiberglass (inches)	NEMA 4 Steel (inches)	NEMA 4X Fiberglass (inches)
16	250	#14-#4 AWG Copper	M10 Stud	24x24x8	24x24x8	24x30x8	24x30x8
20	250			24x24x8	24x24x8	24x30x8	24x30x8
24	320		M12 Stud	30x24x8	30x24x8	30x30x8	30x30x8*
28	400			30x30x8	36x30x8	36x36x8	36x36x8*
32	400			30x30x8	36x30x8	36x36x8	36x36x8*

* Painted Stainless Steel NEMA 4X

Standard Disconnects sized at 1.25x Sum(Isc) per UL1741.
Upsize Disconnect available at 1.56x Sum(Isc) for OCPD coordination.

High Ampacity Input Versions available:
e.g., 12 input, 400A with 30A fuses

Specifications Subject to Change

Model Numbers are derived from the following template: CBXVVT-###D(S)-FFAA-EE

VV Voltage	T Topology	### Disconnect Rating	FF String Count	AA Fuse Rating	EE Enclosure Type
15 = 1500V	G=Grounded F= Floating	250A, 320A, or 400A	08-32 2 string increments	02-30 15A Typical	N4 = Carbon Steel 4X = Fiberglass*

Additional Options and Accessories Available

Stainless Steel Available

ABOUT CONNECTPV INC.



Based in San Diego, CA, ConnectPV Inc. delivers expertise and experience. We bring over 10 years of Solar PV industry experience in electrical Balance of System products coupled with more than 25 years of high quality, ISO9001:2008 certified, manufacturing expertise. We actively work with our customers to deliver innovative, high quality, and cost effective solutions.