



1500VDC INTEGRATED DISCONNECT STRING COMBINER OPTIMIZED FOR FIRST SOLAR SERIES 4 PANELS

UTS3 MODEL New Product Features

- ▶ Expanded disconnect switch Ampacity ratings provide the greatest amount of system configuration sizing choices commercially available in a single enclosure size.
- ▶ Available in a switched negative configuration enables complete isolation of combiner box from back-fed sources. Provides safer and more accurate Commissioning/O&M testing and inspections.

Standard Product Features

- ▶ Maximum System Voltage Rating: 1500VDC
- ▶ Loadbreak Disconnect Switch Ratings: 200A, 225A, 250A, 275A, 300A, 325A, 350A, 375A, 400A
- ▶ Input Circuit Quantity Range: 6-24 Touch-Safe fuse holders w/ screw terminals
- ▶ OCPD Type and Range: 10x85mm gPV Midget Fuses: 5-30A
- ▶ Standard NEMA 2-HOLE bolt pattern for compression lug terminations
- ▶ All models can accommodate 1x750 kcmil or 2x500 kcmil main output cable
- ▶ All models can accommodate up to 2 x 2/0 AWG main output EGC
- ▶ All main output terminations rated for 90 °C; copper or aluminum cable¹
- ▶ LOTO functionality on disconnect switch handle
- ▶ Polycarbonate shield for safety against unintended contact w/ live parts
- ▶ NEMA Type 4 powder coated steel enclosure w/ RAL 9016 Traffic White finish
- ▶ Padlock provisions on enclosure door
- ▶ 50 °C maximum ambient operating temperature rating
- ▶ TÜV Rheinland Listed: UL STD 1741 & CSA C22.2 STD No. 290-15

Optional Product Features

- ▶ Surge Protection Device (replaceable SPD modules w/ visual fault indicator)
- ▶ Pre-installed input cable whip assemblies w/ NEMA Type 4X cable glands: #10 & #8 AWG
- ▶ Mechanical lug terminations for output cables: 1x800 kcmil or 2x350 kcmil
- ▶ NEMA Type 4X fiberglass or stainless steel enclosures
- ▶ NEMA Type 4X breather vents and drain vents
- ▶ Project specific labels: NEC 690.53 required ratings and/or equipment ID #s²
- ▶ Pre-installed mounting kits designed for posts or piles
- ▶ Pre-cut holes for standard trade size conduit fittings
- ▶ Load Break rated Switched Negative configuration switches both poles and isolates Positive and Negative output terminations

Bentek combiners optimized for projects using:



Configurations

Utility-Scale Disconnect combiners from Bentek Solar offer a comprehensive selection of input, output and ampacity configurations devised to meet the needs of professional Solar PV plant designers and installers.

Bentek Sales Engineers are available to help you specify the optimum product for your application.

MADE IN USA



Contact Bentek:
1.866.505.0303



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The Bentek Advantage

Bentek products meet the rigorous demands of premier commercial and utility-scale power plant designers and installers.

Strict engineering design rules assure uncompromised safety and reliability. Our world-class manufacturing processes guarantee long product life in challenging environments. A wide range of options enables BOS optimization for all system configurations.

Bentek stands behind its products with the maintenance, service, and support needed to protect your investment.

Our products are compliant to nationally recognized standards.

| Base Model Numbers | Minimum Input Circuit Quantity | Maximum Input Circuit Quantity | Input Fuse Ratings | Integrated Disconnect Ampacity (A) ³ | Maximum Input Cable Size | Maximum Output Cable Size | Enclosure Size |
|-------------------------------|--------------------------------|--------------------------------|-----------------------------|---|--------------------------|--|----------------|
| BTKv-UTS3-G-xxxy-D200-zz-OV-W | 6 | 24 | 15A standard 30A maximum | 200 | #14 - 8 AWG Cu | 1 x 750 kcmil or 2 x 500 kcmil | 24"x30"x8" |
| BTKv-UTS3-G-xxxy-D225-zz-OV-W | | | | 225 | | | 24"x30"x8" |
| BTKv-UTS3-G-xxxy-D250-zz-OV-W | | | | 250 | | | 24"x30"x8" |
| BTKv-UTS3-G-xxxy-D275-zz-OV-W | | | | 275 | | | 24"x30"x8" |
| BTKv-UTS3-G-xxxy-D300-zz-OV-W | | | | 300 | | | 24"x30"x8" |
| BTKv-UTS3-G-xxxy-D325-zz-OV-W | | | | 325 | | | 24"x30"x8" |
| BTKv-UTS3-G-xxxy-D350-zz-OV-W | | | | 350 | | | 24"x30"x8" |
| BTKv-UTS3-G-xxxy-D375-zz-OV-W | | | | 375 | | | 24"x30"x8" |
| BTKv-UTS3-G-xxxy-D400-zz-OV-W | | | | 400 | | | 24"x30"x8" |

v=Voltage (15=1500V – Specifying voltage configures Surge Protection Device rating when installed); G=Grounded; xx=Circuit Quantity; yy=Fuse Ratings; zz=Enclosure Material (CS=carbon steel, FB=fiberglass, SS=stainless steel); OV=Overvoltage (optional Surge Protection Device); W=Whips (optional -contact your Bentek Sales Engineer for ordering details)

¹ This product has been designed w/ internal clearances that enable installers to achieve an NEC compliant design when utilizing aluminum conductors as per NEC Article 312, Table 312.6(B), Note 3. ² Data for information to be printed on labels to be provided by Customer. ³ Combined Maximum Circuit Current (string I_{sc} x 1.25 x number of circuits) cannot exceed disconnect ampacity rating.

Fully assembled in our ISO 9001: 2008 certified facility in sunny San Jose, California. Specifications subject to change without notice.



About Bentek

Founded in 1985, Bentek is an industry leader in engineered electromechanical and power distribution solutions for industrial applications. We design and manufacture products such as wiring harnesses, electrical combiner boxes, and custom OEM assemblies for the solar energy and semiconductor markets. Bentek is an ISO certified company.