



UTS4 Plus - Enhanced Bentek Trunk Disconnect (BTD) for 1500VDC Utility-Scale Trunk-bus Systems

UTS4 Plus BTD Standard Features:

- ◆ Maximum system voltage rating: 1500VDC
- ◆ UTS4 Plus configuration switches both positive and negative sides with a 500A 2pole disconnect. This enables complete isolation of the combiner box from back-fed sources and complies with NEC 2020 code.
- ◆ Load-break disconnect switch rating: 500A
- ◆ Load-break rated configuration switches both poles and isolates Positive and Negative output terminations
- ◆ DC input/output: NEMA 2-hole pattern for 1/2" bolt, hardware included
- ◆ DC input/output cable size: 1x1000kcmil or 2x600kcmil (lugs not included)
- ◆ Output terminals rated for 90°C; copper or aluminum cable
- ◆ EGC output: 2x 1/4-20 single bolt
- ◆ EGC output cable size: up to 2/0 AWG (lugs not included)
- ◆ LOTO functionality on disconnect switch handle
- ◆ Polycarbonate shield for safety against unintended contact with live parts
- ◆ NEMA type 4 powder coated steel enclosure with RAL9016 Traffic White finish
- ◆ Padlock provisions on enclosure door
- ◆ 50°C maximum ambient operating temperature rating
- ◆ TUV listed to 500A @ 50°C UL STD 1741 & CSA 22.2 No. 290.19

Optional Product Features:

- ◆ Compression or mechanical lugs for output terminations
- ◆ NEMA Type 4X fiberglass enclosure
- ◆ Pre-installed mounting kit (2x U-channel struts - hardware for attaching to posts/piles/poles, etc. is optional)
- ◆ Pre-cut holes for cable glands and/or standard trade size conduits
- ◆ Surge Protection Device (replaceable SPD modules w/ visual fault indicator)



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 and are assembled in our facility in San Jose, CA.

	Disconnect	Max Input	Max Output	Enclosure
Base Model Number	Ampacity(A) ²	Cable Size	Cable Size(kcmil)	Size (in)
BTK15-UTS4+-BTD-01N500-zz	500	1x1000 or 2x600	1x1000 or 2x600	NEMA4 steel 30x24x8 NEMA4X fiberglass 30x24x10

¹5=1500VDC; N500=NEC2017 compliant 500A 2pole disconnect; zz=CS (NEMA4 carbon steel) or FB (NEMA4X fiberglass)

²This 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. ³Combined maximum circuit current (string I_{sc} x 1.25 x number of circuits) - cannot exceed the disconnect ampacity rating

