



# 50kva Distribution Substation

Certified UL1640 Power Distribution  
(TDS-GFCI) Temporary Power Distribution  
Custom Built to Client Site Specifications

- UL Listed
- Portable
- Special Design & Assembly
- UL Certified



## Model # TDS50-20C-480V

### Scope of Design

- 25' Power Cord w/open end wire -hard connection
- 150 amp Main Fused Disconnect /100a - 600v Fuses
- Load side of Disconnect connected through tubing to the line side 480v, 1ph to WP 50kva, 1ph, 60hz
- Transformer, 480v to 120/240v, 1ph, 4 wire Line
- Secondary of Transformer is connected to line side
- 200a Load Center with Main Breaker, 1ph,N,Grd.
- Installed 16 X 20A, 1P, Circuit Breakers.
- Load Center mounted within a Nema 4 enclosure
- 8 x 20a Duplex's mounted down each side of box.
- 16 x 20amp Duplex GFCI (UL-WR MARKED) 5-20R
- 16 x " In-use " required receptacle covers.
- 2 x 50a Spider Receptacles with 50a Protection

This type of product can be modified to include multiple spider box outlets to increase the needed potential of GFCI outlets throughout work-site.

### Shipping Information

- Dimensions: T 72" X W50" X D60"
- Weight: 650lbs

This (TDS) is used as a Caddie Temp Power Substations that can be pulled behind a 70kva Diesel Gen-set. This type of piggy-back distro style allows the Gen-set to expand its GFCI Potentials.

## 50kva Temporary GFCI Distribution Station - Trailer Mounted

This specific design is for use on hard surface areas: Asphalt, Concrete, Shell-Rock. Trade Task usage that would include: Electrical, Carpentry, Pipefitter, Valve Assemble, Outside Tank & Vessel Work Areas, and Inside Plant Battery Units.

**NOTE:** These types of trailer mounted TDS products are available 45kva thru 150kva.