
Tektis Transition Guide

June 2023



Summary

On June 19, 2023, Tektis power components changed design.

Components included in the design change are powerways, receptacles, base power-ins, end power-ins, and the harness included in power poles.

The style numbers of power components (power ins and receptacles) have changed. The panel style numbers that include options for power have not changed. Any panel segment ordered with power on or after June 19, 2023 will include the new powerway design.

How power is specified remains unchanged. Power can be optioned on to the panel segment. Powerways can be specified as installed in the factory or installed in the field.

Power components manufactured before June 19, 2023 are not compatible with power components manufactured after June 19, 2023.

Comparison

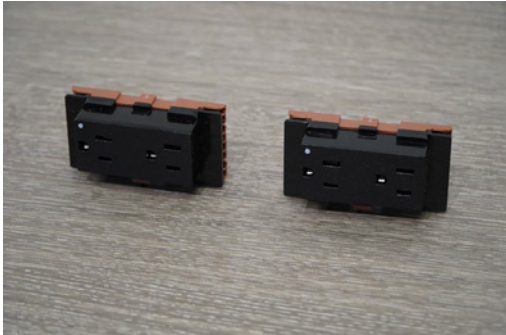
Visual of change between new and old power components



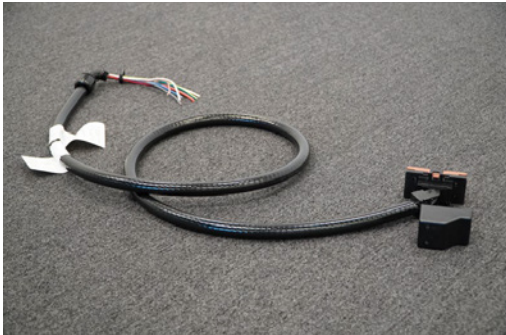
Powerways



Receptacles



Base Power Infeeds




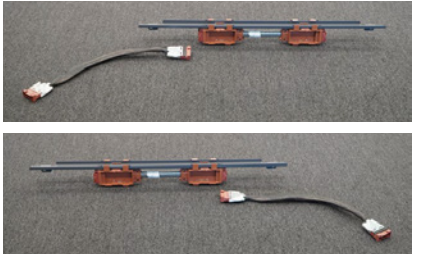





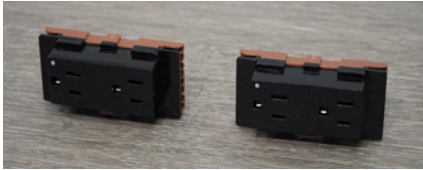
Power Harness in Power Poles




What is different?

On June 19, 2023, Tektis power components changed design. Power components manufactured before June 19, 2023 are not compatible with power components manufactured after June 19, 2023.

Here are some key differences between the power components before June 19, 2023 and the components on or after June 19, 2023:

What is different?	Power before June 19, 2023	Power after June 19, 2023
Connector flag/harness	<p>Connector flag is not removable from the powerway.</p> 	<p>Mesh connector harness is removable to increase planning flexibility.</p> 
Power access in 24" and 30" wide panel segments	<p>24"W and 30"W base covers have a standard-size opening on one side of the panel and a larger size opening on the reverse side.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;">Side 1 </div> <div style="border: 1px solid black; padding: 5px;"> Side 2</div> </div>	<p>24"W and 30"W base covers have standard-size openings on both sides of the panel.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px;">Side 1 </div> <div style="border: 1px solid black; padding: 5px;"> Side 2</div> </div>
Receptacle size	<p>Receptacles were available in two sizes—standard and larger.</p> 	<p>All receptacles are standard size.</p> 
Receptacle cutout locations on base covers	<p>Receptacle location differs before and after June 19, 2023. See details in the specification guide for each panel system.</p>	<p>Receptacle location differs before and after June 19, 2023. See details in the specification guide for each panel system.</p>

What is different?

What is different?	Power before June 19, 2023	Power after June 19, 2023
Base power-in	Connection at receptacle location does not include an aesthetic cover. 	Connection at receptacle location includes an aesthetic cover. 
Powerway to powerway connection	Flag connectors overlap with and clip into the side of the adjacent powerway. 	Harness connectors connect into to the side of the power block of the adjacent powerway. 
Receptacle connection to powerway	Receptacle connects to powerway with screws. 	Receptacle snaps into the powerway without any screws. 
Wiring Schematics	Color coding for each wiring schematic: <ul style="list-style-type: none"> • 3 circuits shared = Black • 3 circuits separate = White • 4 circuit 3+D = Black • 4 circuits 3I+1 = Tan • 4 circuit 2+2 = Grey 	Color coding for each wiring schematic changes to the following: <ul style="list-style-type: none"> • 3 circuits shared = Blue • 3 circuits separate = Rust • 4 circuit 3+D = Black • 4 circuits 3I+1 = Black • 4 circuit 2+2 = Brown

Components

Status of Power Components Manufactured before June 19, 2023

- Powerways, panel connectors, receptacles, base power-ins, end power-ins and harnesses included in the power pole manufactured before June 19, 2023 are no longer available as style numbers or service parts.
- The receptacle knockouts on base covers are changing on June 19, 2023 to accommodate a change in receptacle location. Base covers for the power components manufactured before June 19, 2023 are available as service parts.
- Receptacle knockout fillers for base trims manufactured before June 19, 2023 are available as a service part. Knockout fillers for base trims manufactured after June 19, 2023 are also available as a service part.
- The wire separator manufactured after June 19, 2023 can be utilized on panels manufactured before June 19, 2023.

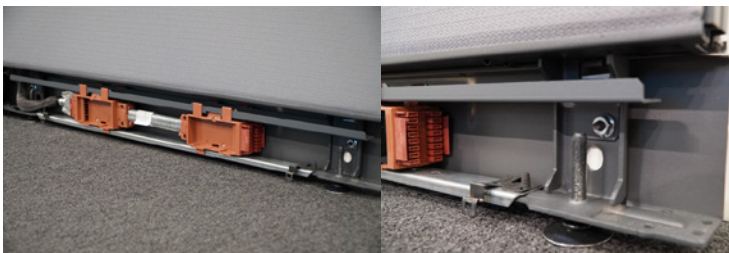
Converting existing panels to power components manufactured after June 19, 2023

Follow the following steps to convert a Tektis panel with power components manufactured before June 19, 2023 to power components manufactured after June 19, 2023.

- Remove all power components manufactured before June 19, 2023 including wire-manager, if installed. Remove powerways from panel base by removing screws holding powerway in place.



- Order new base power-ins, end power-ins (Avenir only), and receptacles with new style numbers. These new style numbers have the suffix “B.”
- Order from service parts the following components manufactured after June 19, 2023:
 - Wire separator
 - Powerways: Note, powerway service parts that include the wire separator are available.
 - Base covers
 - Harnesses for power poles
- Install power components to base area of the existing panel frame.

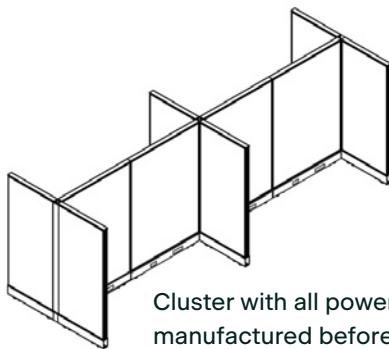


Planning with both power systems

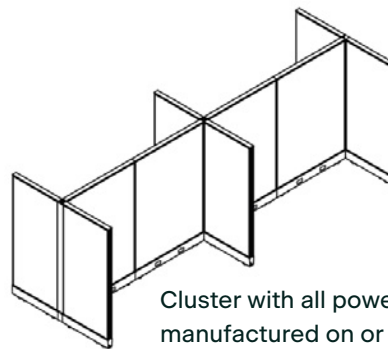
Power components manufactured before June 19, 2023 are not compatible with power components manufactured after June 19, 2023. Even though components of the two power systems do not directly attach, there are a couple of options of planning with both power systems.

Organize workstation clusters by power system

Power systems can be organized by workstation cluster. Some clusters can use power components manufactured before June 19, 2023 and other clusters can utilize power components manufactured on or after June 19, 2023.



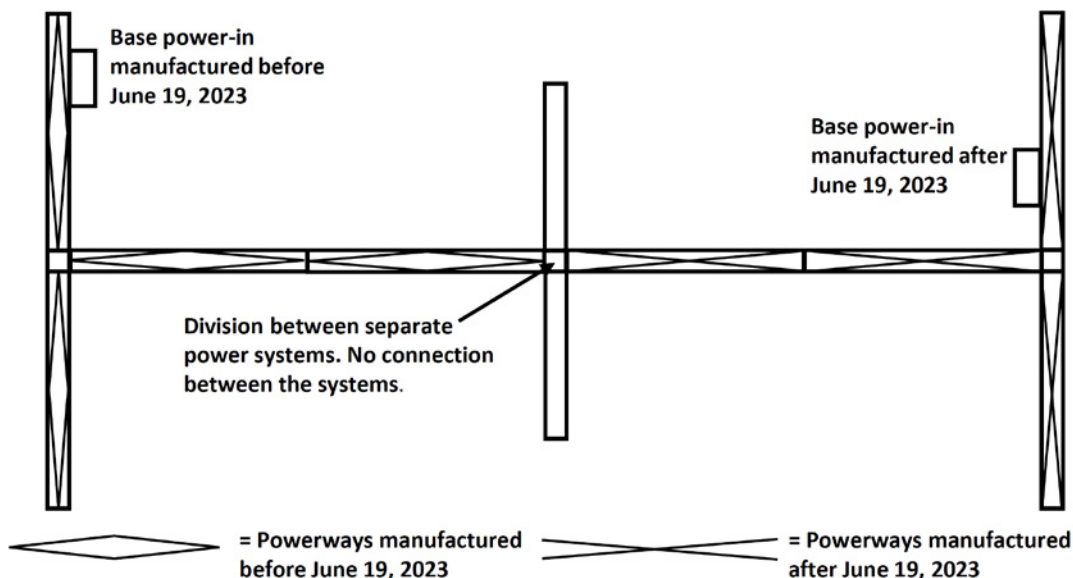
Cluster with all power components manufactured before June 19, 2023.



Cluster with all power components manufactured on or after June 19, 2023.

Use multiple Infeeds in a single cluster

A single workstation cluster can use both power systems by utilizing multiple infeeds. Power components manufactured before June 19, 2023 can power part of the workstation and have its infeed. Power components manufactured on or after June 19, 2023 can power part of the workstation and have its infeed. Each power system covers part of the workstation cluster. The two power systems do not connect to one another.



SmartTools

Tektis supports planning with the SmartTools planning software.

SmartTools supports planning Tektis panel with power components manufactured on or after June 19, 2023.

All panels with power in drawings created before June 19, 2023 will be considered using power manufactured before June 19, 2023 by SmartTools. An asterisk in the tagging label will indicate that the power components is considered manufactured before June 19, 2023.

Tektis panels, have a “Covert” tool available to convert drawings with power from before June 19, 2023 to power manufactured after June 19, 2023.