

## PDU Sidecar Upgrades

Is distribution density becoming an issue with your existing equipment? Release your transformer's full potential by adding a sidecar upgrade. PDI has pre-engineered sidecars equipped with panelboards, subfeed breakers or a mixture of both.



## Heat Mitigating Sidecar Solution

Heat mitigating sidecars aid in the dissipation of transformer heat between the main PDU cabinet and its corresponding sidecar(s) by using a Lexan barrier, 100% rated breakers and exterior panels with enhanced ventilation design.

### Features & Benefits

- 100% rated breakers
- Lexan barrier & enhanced ventilation
- Factory engineered solution
- Adds additional capacity for existing PDU's

### Value

- Reduces sidecar heat by ~22°F
- Field installation labor reduced by 2hrs
- Increased air flow by compartmentalization

### Options

- 250A & 400A options
- Branch circuit monitoring
- Panelboard or Subfeed Breaker solutions
- 4 (42) circuit panelboards or 8 subfeed breakers
- OEM & Third Party solutions

- Full upgrade Includes: 21" front and side facing sidecar, 6" rear spacer, PDU cabinet top hat and new ventilated side panels. Customized and partial solutions available.

Whether you have an existing sidecar or looking for additional output for your current Power Distribution Unit, PDI can tailor a solution to maximize your power density and minimize footprint & downtime.

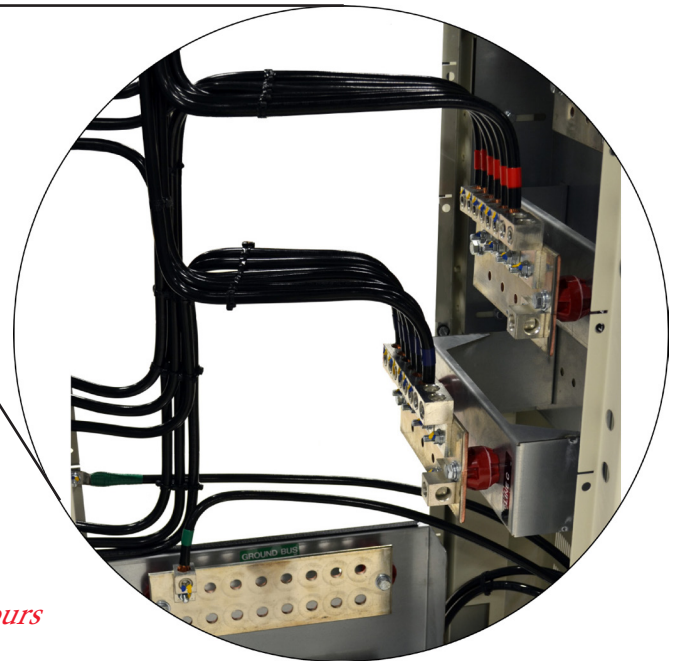
## Test Results



Before Upgrade:  
Ambient Air Temperature = 26° C (78.8°F)  
Maximum Temperature Zone Readings:  
Upper Sidecar Cabinet = 58° C (136.4°F)  
Upper Transformer Cabinet = 68° C (154.4°F)

After Upgrade:  
Ambient Air Temperature = 26.6° C (79.9°F)  
Maximum Temperature Zone Readings:  
Upper Sidecar Cabinet = 45.5° C (113.9°F)  
Upper Transformer Cabinet = 66.1° C (151°F)

$\Delta$ t of Sidecar Cabinet = 22.5°F



*\* Factory engineered solution reduces field installation by 2 hours*

### About Power Distribution, Inc. (PDI)

Power Distribution, Inc. (PDI) designs, manufactures, and services mission critical power distribution, static switching, and power monitoring equipment for corporate data centers, alternative energy, industrial and commercial customers around the world. For four decades, PDI has served the data center and alternative energy markets providing flexible solutions with the widest range of products in the industry.



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