

# Aluminum Carbon Nano Tube Busbar (Al-CNT Busbar)

Highly heat resistant Al-CNT composite suitable for various layouts and applications.

Looking ahead to electrification in the future, light busbars with high heat resistance and high processability are required for large currents and small spaces.

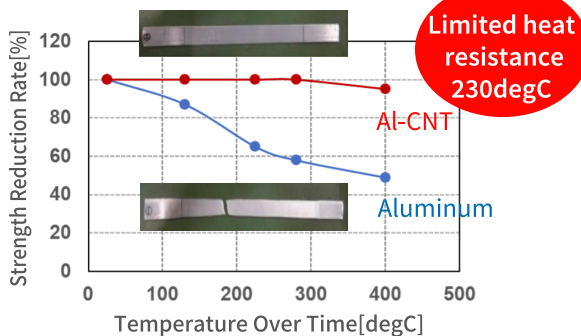


## Feature

- 1 Expanding acceptable ranges of thermal design: 1.9 times more heat resistance than conventional aluminum
- 2 Improving design flexibility & Saving spaces: Endure tight bending
- 3 Ensure reliability of connection areas: Looseness and abnormal heat generation are suppressed by using Al-CNT busbar and bolts

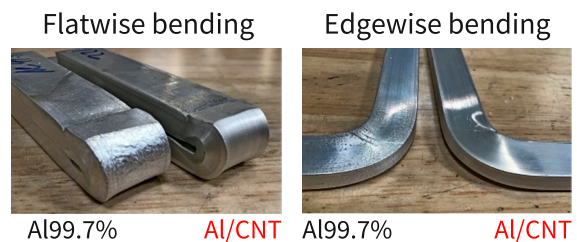
## Performance/Specification

### Heat resistance



Expanding acceptable ranges of thermal design

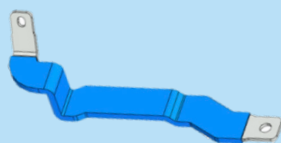
### Processability



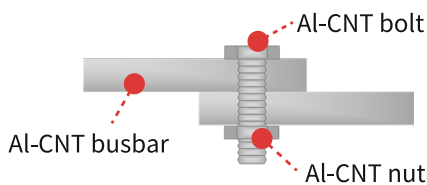
Al/CNT: No wrinkling and cracks in bent parts

Improving design flexibility  
Saving spaces

### Al-CNT Busbar



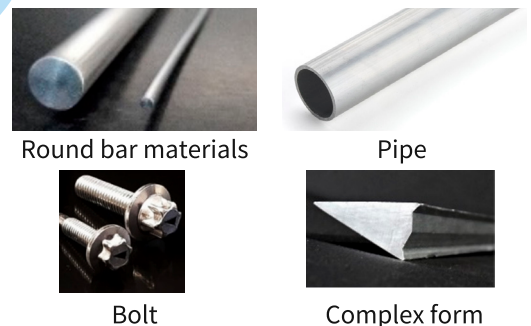
### Connection reliability



Looseness and abnormal heat generation due to thermal expansion and contraction are suppressed by using the same material for the busbar and the bolt.

Ensure connection / joint reliability

### Flexible forms



Forming to various configuration