

# Flexible Busbar

Our flexible busbars enable power connections with excellent vibration and shock absorption characteristics that improve electrical conductivity without compromising mounting strength or robust lifecycle performance.

# ENNOVI™

## VERSATILE CONFIGURABILITY



Welding multiple foils to solid mounting areas enables flexible bending to meet a wide range of form factors.

## EXCELLENT VIBRATION ABSORPTION



Ideal for applications that experience vibration, thermal expansion, or variations in assembly force tolerance.

## HIGH POWER PERFORMANCE



Multiple high conductivity foil lamels accommodate high-power efficiency along with flexible mounting options.

## APPLICATIONS

Powertrains, battery connections, charging systems, power steering, braking systems:

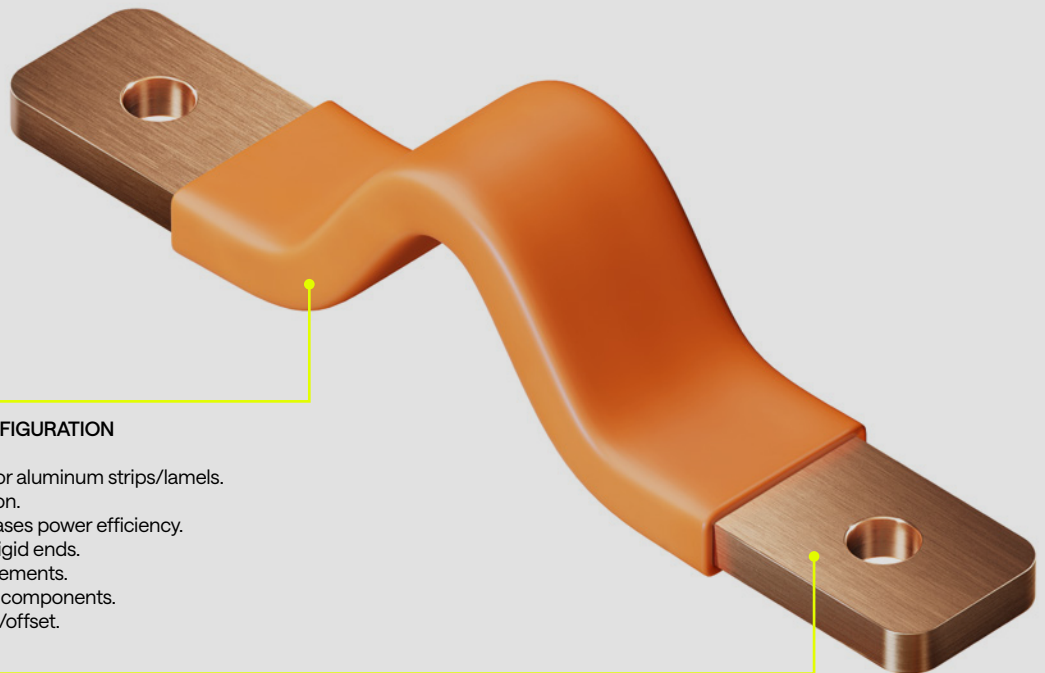
+ Electric vehicles

Powertrains, battery connections, steering and motion control:

+ Commercial transportation

Electrical connections in switching cabinets, power link for generators, transformers:

+ Charging stations for EVs  
+ Industrial



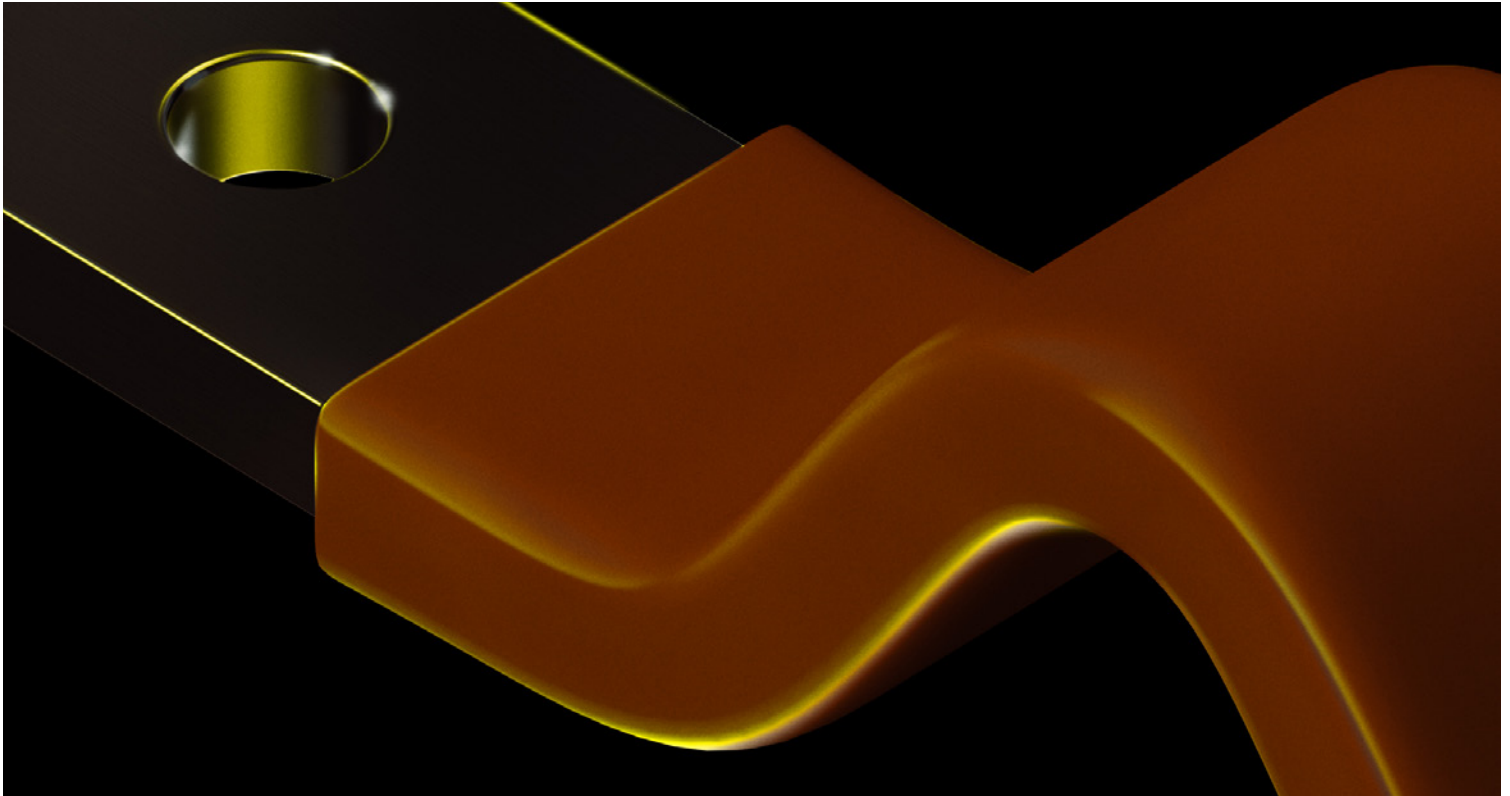
## HIGH FLEXIBILITY WITH CUSTOM CONFIGURATION

- + Flexible and high conductivity copper or aluminum strips/lamels.
- + Excellent vibration and shock absorption.
- + Improves electrical conductivity; increases power efficiency.
- + Custom configuration with option for rigid ends.
- + Custom length according to the requirements.
- + Supports integration with other power components.
- + High tolerance for assembly mismatch/offset.

## STACKED LAMELS

- + Material: Copper or Aluminum foil.
- + Lamel thickness: 0.05 – 0.3mm.
- + Structural strength: 1.5 – 4mm thickness.
- + Molecular diffusion welding bonds multiple sheets to single solid body at mounting areas, while maintaining flexibility in the other areas.
- + Customized for compatibility with specific assembly environments.

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## CONDUCTOR

Material	Layers of Cu/Al
Plating	Sn, Ni, Ag
Thickness (foils)	50 – 300 µm

## INSULATION (OPTIONAL)

Material	Heat shrink flame retardant PVC
Color	Orange, Black (standard) - Other colors on request
Operation temperature	-40 °C to +105 °C (optional higher temperatures)
Operating voltage	Typical 1000V AC / 1500V DC (insulation depending)

## DIMENSIONS

Length	10 – 50 mm (weld length up to 50 mm)
Width	1 – 10 cm
Total thickness	0.5 – 10 mm

Need a custom  
solution?

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