HOW TO BUILD THE BEST QUALITY BUS BAR
at a lower price

SOURCING
As one of the largest electrical components manufacturers in North America, Storm Power Components sources more than seven million pounds of copper and aluminum every year. This advance sourcing eliminates inventory overhead from your production costs.

FINISHING
Most fabricators cannot offer in-house plating and bus bar insulation like Storm. Having these capabilities under one roof reduces transport, waste, pollution, and time. We don’t finish 75 different types of metal—we finish COPPER and ALUMINUM.

FABRICATION
Storm Power’s precision machining means we can affordably manufacture a single prototype part or the mass-produced parts you need. We do it all, and we specialize in flexibility and responsiveness.

DESIGN/ENGINEERING SUPPORT
Storm manufactures OEM’s designs to precise specification. We can also provide critical input that leads to greater design for manufacturing flexibility because our engineers have built bus systems for high-current draw applications for a generation.

Phone: 1-800-394-4804
Responsive Manufacturing
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VALUE ENGINEERING

is another key to cost savings. Through our value engineering methods, we employ a systematic process designed to improve the ratio of function to cost.

Value is then increased by:

- Improving the function, or
- Reducing the cost.

COPPER & ALUMINUM BUS BAR SPECIFICATIONS & BUS BAR TYPES

METAL ALLOYS

C11000 - Electrolytic Tough Pitch Copper
6101 - Electrical Grade Aluminum

STRUCTURAL DIFFERENCES

- When using aluminum bus bar, the WIDTH must be increased by 27%. Example: To achieve the same temperature rise, a 1/4" x 5" aluminum bus bar will equal a 1/4" x 4" copper bus bar.

- When using aluminum bus bar, the THICKNESS must INCREASE by 50%. Example: To achieve the same temperature rise, a 3/8" x 4" aluminum bus bar will equal a 1/4" x 4" copper bus bar.

Fabrication Process Paths We Utilize:

Forming & Bending - Conventional, offset, & side
Stamping - Coil line process & in-house die fabrication, ink
Cold Cutting & Shearing - High and low volume sawing/shear
Machine Punching - CNC, automated, & single stroke turret
Precision CNC Machining - Turning & milling with multi-axis
Precision Machining - Turning & milling with Swiss-style screw
Press/Fused Welding and Brazing
CNC Water Jet
Fiber Laser

BUS BAR TYPES

- Capacitor Bus Bar
- IGBT Bus Bar
- Backplane Bus Bar
- Armature Bus Bar
- Drive Bus Bar
- Power Distribution Bus Bar
- Router Bus Bar
- Multilayer Bus Bar
- Laminated Bus Bar
- Rack Mounted Bus Bar
- Circuit Breaker Bus Bar

IN-HOUSE PLATING OPTIONS

- Medium phosphorus electroless nickel
- Full immersion electroplating
- Strike plate

Bright Tin
Matte Tin
Various Tin/Lead Alloys
100% Lead
Silver
Nickel