



# CuprEon Copper Flats & Busbars

## High Conductivity Copper Solutions for Power Distribution

30 Years of Excellence | Global Standards | Custom  
Engineered Solutions

### ABOUT SK Impex Corporation

For over **three decades**, CuprEon has been India's trusted name in **copper manufacturing, producing high-performance copper flats and busbars** for **electrical power distribution, switchgear assemblies, panel boards, and busway enclosures.**

We specialize exclusively in **EC Grade (C11000) and Oxygen-Free Copper (OFC)** for superior conductivity and reliability. Our **custom-engineered busbars** are supplied in cut-to-length form and can be **drilled, punched, or plated** as per customer requirements.



# APPLICATIONS

- Power Distribution Systems & Busway Enclosures
- Switchgear Assemblies and Panel Boards
- Generators, Transformers, and Power Plants
- UPS & Data Center Power Management
- EV Charging Stations and Battery Connections
- Renewable Energy Installations (Solar, Wind, Hydro)
- Heavy Industrial Equipment & Electrical Utilities

# AVAILABLE GRADES

Grade	Technical Name	Key Features
EC Copper	C11000	100% IACS conductivity (Soft)
Oxygen-Free Copper	C10100	High conductivity and superior thermal performance

# TECHNICAL SPECIFICATIONS

Parameter	Range
Width	10 mm to 250 mm
Thickness	1 mm to 20 mm
Length	Up to 6 meters (custom cut lengths)
Conductivity	100% IACS (Soft), ≥97.5% (Half-Hard/Hard)
Surface Finish	Mill Finish, Bright Polished, Tin/Silver Plated
Weight per Piece	Up to 150 kg

# MECHANICAL & ELECTRICAL PROPERTIES

- **Conductivity:** 100% IACS in Soft Temper
- **Conductivity (Min.):** 97.5% IACS in Half-Hard / Hard Tempers
- **Tensile Strength:** 200–250 MPa (Soft to Half-Hard)
- **Hardness:** 40–100 HV (depending on temper)
- **Thermal Conductivity:** 386 W/mK

## STANDARDS WE FOLLOW

Standard	Region	Scope
IS 1897	India	Copper Strips and Flats
ASTM B152/B187	USA	Copper Sheet, Strip, and Busbars
JIS H3250	Japan	Wrought Copper and Alloys
EN 13599	Europe	Copper Busbars for Electrical Use

## KEY ADVANTAGES

- ✓ 100% IACS Conductivity for Maximum Efficiency
- ✓ Superior Thermal and Electrical Performance
- ✓ Long Service Life with Excellent Corrosion Resistance
- ✓ Custom Cut, Drilled & Fabricated Options
- ✓ RoHS & ISO Compliant

## PACKAGING & EXPORT

- ✓ Wooden Boxes or Pallets
- ✓ Anti-Corrosion Wrapping for Sea/Air Shipments
- ✓ Custom Labels and Export-Ready Packing

## CONTACT US FOR YOUR REQUIREMENTS



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