

Overview

Explore our networking solutions for data centers, telecommunications, and Power over Ethernet. With a global presence and decades of expertise, Bel is a trusted partner in enhancing connectivity and performance. Our products meet international standards like ISO/IEC 27001 and IEC 61850, with a strong commitment to quality assurance through every stage of design, testing, and manufacturing.

AC-DC & DC-DC Front-End Power Supplies



- Output power 550~5200 W
- AC input voltage 90~305 VAC; DC input voltage -36 to -72 VDC, HVAC & HVDC variants available
- Output voltages 12, 48, 54 VDC
- Operating temperature range -5 to +65°C
- UL/CSA/IEC/EN 62368-1
- Ultra-high Platinum & Titanium efficiency levels
- High power density up to 72.3 W/in³
- I²C Interface with Power Management Bus communication
- Full digital controls, GUI for control & monitoring
- RS485, CAN, FW, Bootloader, Black box, Intel CRPS, OR-ing, Cold redundancy
- Various form factors to accommodate specific environments
- Fan cooled, normal or reverse air flow

Power Shelves & Racks



- Output power up to 36 kW (up to 6 slots for hot-pluggable modules)
- Scalable to support 192 kW single zone applications
- Various AC input configurations: 3-phase 208 / 240 / 277 VAC, 1-phase 230 VAC; HVDC input: +380 VDC; DC input: -40 to -72 VDC
- Output voltage 12.3~54.5 VDC
- Single or tripple output busbar (straight, offset, long, short, ORV3)
- Redundancy 3+3 / 5+1 / 6+1
- CAN Bus or Ethernet & I²C / Power Management Bus communication
- Network Attached Controller - NAC (optional)
- 10U height, modifiable to 19" rack

Accessories



NAC Controller

- 10/100 Mb Ethernet port
- SNMPv1/2c/3 protocol with TRAP, SET and GET over Ethernet
- Supports IPv4 and IPv6



PDU

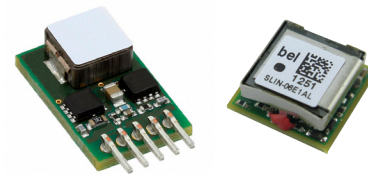
- High-capacity power distribution to multiple IT devices within racks
- AC, DC and HVDC PDUs available
- OCP compatible

DC-DC BMP Converters



Regulated Bus Converters (Isolated)

- Output power 240~1800 W (isolated), 1800~2500 W (non-isolated)
- Input voltage range 36~75 VDC
- Output voltages 10.4~12 VDC
- Output current 62.5~125 A
- Operating temperature range -40 to +85°C
- UL/CSA/IEC/EN 62368-1
- Pre-bias startup, PMBus (0RCP-H0M12BG)



Point of Load (PoL) Converters

- Output power 10~100 W (non-isolated)
- Input voltage range 2.4~36 VDC
- Output voltages 0.59~5.5 VDC
- Output Current 2~30 A
- Operating temperature range -40 to +85°C
- UL/CSA/IEC/EN 62368-1
- Tunable Loop™ for optimized dynamic response

MagJack (ICMs)



- Performance speed 10/100BASE-T~10GBASE-T
- Multi-port configurations incl. RJ45 & USB port combinations, with or without LEDs (bi-color)
- PoE ratings Type 1 through Type 4 (15~120 W)
- Various height profiles (low, micro, mid-plane, two-tier)
- Press fit, surface mount or through-hole mount

SPoE Transformers



- Output power 3~27 W
- Output voltage range 3.3~15 VDC
- Inductance 20.4~500 μ H
- Wide operating temperature range -40 to +125°C
- Meet IEEE802.3AF and IEEE802.3AT requirements
- Core sizes EP7, EP10 & EP13, 8~10 pins

Networking Applications

High Speed

Data Centers
5G Networks
High-Performance Computing
Broadcasting Equipment

Ethernet

Corporate Networks
Smart Buildings
IP Cameras
Residential Networking

Industrial

Manufacturing Automation
Process Control Systems
Building Automation
Transportation & Logistics
Energy Management

Telecommunications

Cellular Base Stations
Modems and Routers
Fiber Optic Systems
Satellite Communication Systems
Telecom Switching Equipment

Automation

Robotic Systems
Programmable Logic Controllers
Automated Guided Vehicles
Automated Inventory Management
Environmental Monitoring Systems