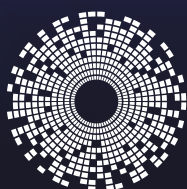


# POWER YOUR BLOCKCHAIN

## Power Conversion Solutions for Bitcoin & Other Blockchains



**bel**

**POWER  
SOLUTIONS &  
PROTECTION**

a bel group



**Blockchain Technology,  
fueled by Cryptocurrency  
Mining, is leading to soaring  
Energy Consumption.**

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# Bel Power Solutions can help to conserve energy by reducing power conversion losses in your system.

## High Power

*Bel Power Solutions* offers power conversion products up to 3 kW to meet the increasing power demands of cryptocurrency mining. With an input voltage range from 90Vac and up to 300Vac, these supplies can be powered from standard ac input voltages or up to 277Vac inputs.

## High Efficiency

With solutions up to 96% peak efficiency, *Bel Power Solutions* limits the amount of power losses in the system. At full load, the relatively flat efficiency curves means that you get performance where it matters and save on operating costs.

## High Reliability

*Bel Power Solutions* has a long history of providing power conversion products to major OEM's with very strict reliability standards.

Take advantage of Bel's proven high quality solutions to reduce downtime in your system.



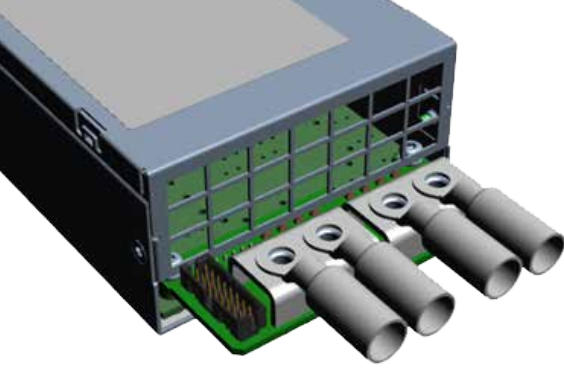
**...the Bitcoin network  
is consuming power  
at an annual rate of 32TWh—  
about as much as Denmark.**

Source: <https://arstechnica.com/tech-policy/2017/12/bitcoins-insane-energy-consumption-explained/>



**High Power.  
High Efficiency.  
High Reliability.  
Proven Solutions.**





# Reduce Your Blockchain Operating Costs

## 2 kW Power Solutions

The **PET2000** is a 2 kW AC to DC power supply that converts standard AC power into a main output of 12Vdc. The high efficiency and proven reliability make this PSU ideal for bitcoin mining applications.

- » **Greater than 94% peak efficiency**
- » Auto-selected input voltage ranges: 90 - 140 VAC, 180 - 264 VAC
- » AC input with power factor correction
- » 2000 W continuous output power capability
- » Hot-plug capable
- » Cable assemblies
- » Always-on 12 V standby output
- » Parallel operation with active current sharing
- » Full digital controls for improved performance
- » High density design: 42.1 W/in<sup>3</sup>
- » Small form factor: 73.5 x 40.0 x 265 mm



## 3 kW Power Solutions

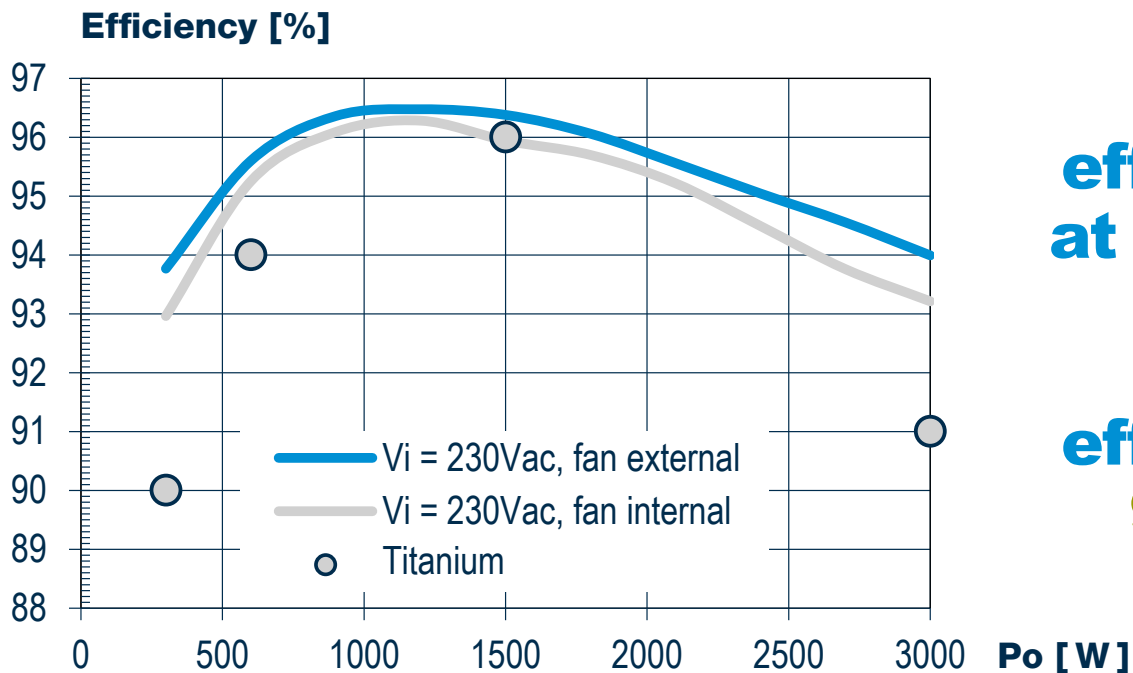
The **PFE3000** and **TET3000** are 3 kW AC to DC power supplies that convert standard AC power into a main output of 12Vdc. The high efficiency and proven reliability make these units ideal for bitcoin mining applications.

- » **Greater than 96% peak efficiency**
- » Wide input voltage range: 90-300 VAC
- » AC input with power factor correction
- » DC input voltage range: 192-400 VDC
- » Hot-plug capable
- » Cable assemblies
- » Parallel operation with active current sharing through the analog bus
- » Full digital controls for improved performance
- » High density design: 30.5 W/in<sup>3</sup>
- » Small form factor: 69 x 42 x 555 mm





# Efficiency Where it Matters



**94.7%**  
efficiency  
at full load

**Peak  
efficiency  
96.5%**



# Lower Operating Costs with Bel Power Solutions

» **High Power**

Bel Power offers solutions up to 3 kW to keep up with the increasing power consumption of today's mining applications.

» **High Efficiency**

Our power conversion solution will waste less power where it matters and reduce the overall operating costs

» **High Reliability**

Bel Power's proven solutions will result in less downtime for your 24/7 operation.

## About Bel Power Solutions

**Bel Power Solutions & Protection** offers world-class AC-DC and DC-DC power conversion products, value-add solutions, complete box-build solutions and contract manufacturing services, along with a complete portfolio of Electronic Circuit Protection devices.

Bel is a market leader in railway with Melcher™ brand products and technology leaders in the development of high efficiency and high power density front-end products. We support global customers and local markets with strategically located manufacturing and R&D facilities around the world.

Applications of our power conversion devices range from board-mount power to system-level architectures for servers, storage, networking, industrial and telecommunications industries.



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