

# Bitfury

## ENTERPRISE-LEVEL

With standardized form-factor, full-custom 16nm ASIC chips, ease of deployment, scale and upgrade Bitfury B8 is truly enterprise scale solution for bitcoin mining.

## EASY TO DEPLOY

Designed to fit standard 19" server racks. Ready for instant and seamless integration into existing datacenter infrastructure.

## SCALABLE

Prepared to operate in a mining farm. Proprietary software provides monitoring and troubleshooting tools, simplifying maintenance and maximizing uptime.

## UPGRADABLE

Built for the future. Just replace hashboards when new ASIC generation becomes available.

## BITFURY B8

### *Enterprise Scale Bitcoin Miner of up to 50 TH/s*

Capitalizing on our own mining experience, Bitfury Group designed and released enterprise scale bitcoin mining solution.

Containing 6 heatsinked hashboards and total of 576 full custom 16nm Bitfury ASIC chips, Bitfury B8 provides unmatched hashrate of up to 50 TH/s.



## Technical Specifications

### Performance

**Hashrate:** 47 TH/s  $\pm$ 5% (nominal)

**Power Efficiency:** variable, 0.13 J/GH (nominal)

**Power Consumption:** variable, 6.4 KW (max)

### Features

- ◆ 576 Bitfury 16nm BF16BTC8162 ASIC chips
- ◆ Upgradable design
- ◆ Proprietary Bitfury string power design
- ◆ Variable DC voltage for variable efficiency
- ◆ Proprietary Bitfury mining software running on Debian Linux
- ◆ Datacenter management software
- ◆ 90 days warranty, starting the delivery date

### Dimensions and Weight

**Form factor:** Rack (6U)

**H × W × D:** 19" × 17.32" × 25.6" (270 × 440 × 650 mm)

**Weight:** 37 kgs

### Environmental Requirements

**AC Power (2 inputs):** 85–305 VAC, 200–277 VAC (nominal), 45–66 Hz, 16.5 ARMS

**Networking:** Ethernet 100BASE-TX, IEEE 802.3u

**Operating Temperature:** -20°C to 40°C (5–95% RH)

**Free air flow:** 1500 CFM

**Pressure drop (between air intake and outtake):** no more than 20 Pa

*\*Specifications are subject to change without notice*

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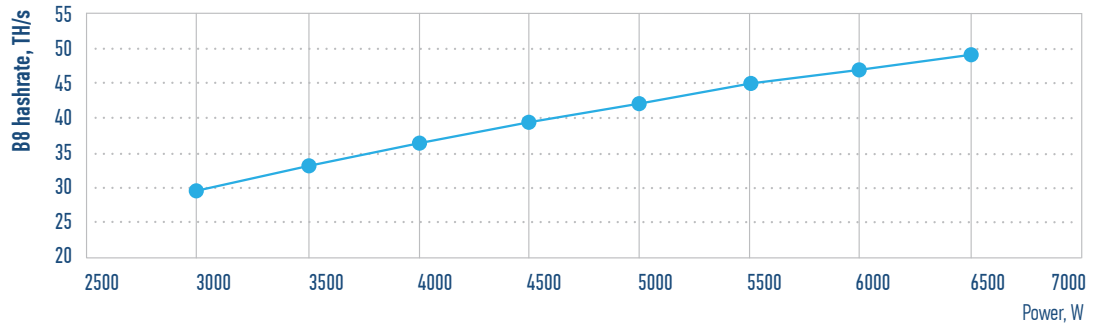
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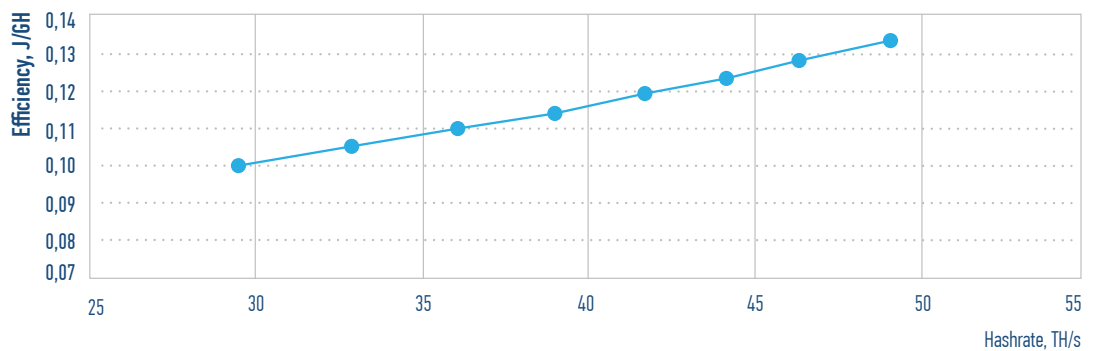
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## BITFURY B8

Performance tests are conducted at 25 °C ambient temperature.  
Higher ambient temperature may result in up to 10% performance reduction.



Adjust miner's hashrate by varying applied power.



Optimize OPEX expenses with the most energy efficient set-up or receive the highest hashrate performance per each CAPEX dollar spent.

Power, W	B8 hashrate, TH/s	B8 efficiency, J/GH
3000	29,6	0,101
3500	33,1	0,106
4000	36,3	0,110
4500	39,3	0,114
5000	42,1	0,119
5500	44,6	0,123
6000	46,9	0,128
6500	49,0	0,133

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