BITMAIN AntMiner S21e XP Hyd Bitcoin Miner User Guide

Contents

BITMAIN

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Specification

Product Glance Value

- Model S21e XP Hyd.
- Sub 430T
- Version 10
- Crypto algorithm/coins SHA256|BTC/BCH/BSV
- Typical hashrate, TH/s(1-1) 430
- Power on wall @35℃(1-2), Watt(1-1) 5590
- Power efficiency on wall@35℃(1-2), J/T(1-1) 13.0

Detailed Characteristics Value

- Power Supply
- Phase 3
- Input voltage, Volt(2-1) 380~415
- Input frequency range, Hz 50~60
- Input max current, Amp 12
- Hardware Configuration
- Network connection mode RJ45 Ethernet 10/100M
- Server size (length*width*height, w/o package), mm 339*173*207
- Server size (length*width*height, with package), mm 570*316*430
- Net weight, kg 13.8
- Gross weight, kg 15.7
- Environment Requirements
- Inlet coolant temperature, °C 20~50
- Coolant flow, L/min 8.0~10.0
- Coolant pressure, bar ≤3.5
- Working coolant(2-2) Antifreeze/ Pure water/Deionized water
- Coolant pH value
- Antifreeze: 7.0~9.0
- Prue water: 6.5~7.5
- Deionized water 8.5~9.5
- Diameter of coolant pipe connector, mm OD10
- Storage temperature, °C -20~70
- Operation humidity(non-condensing), RH 10~90%

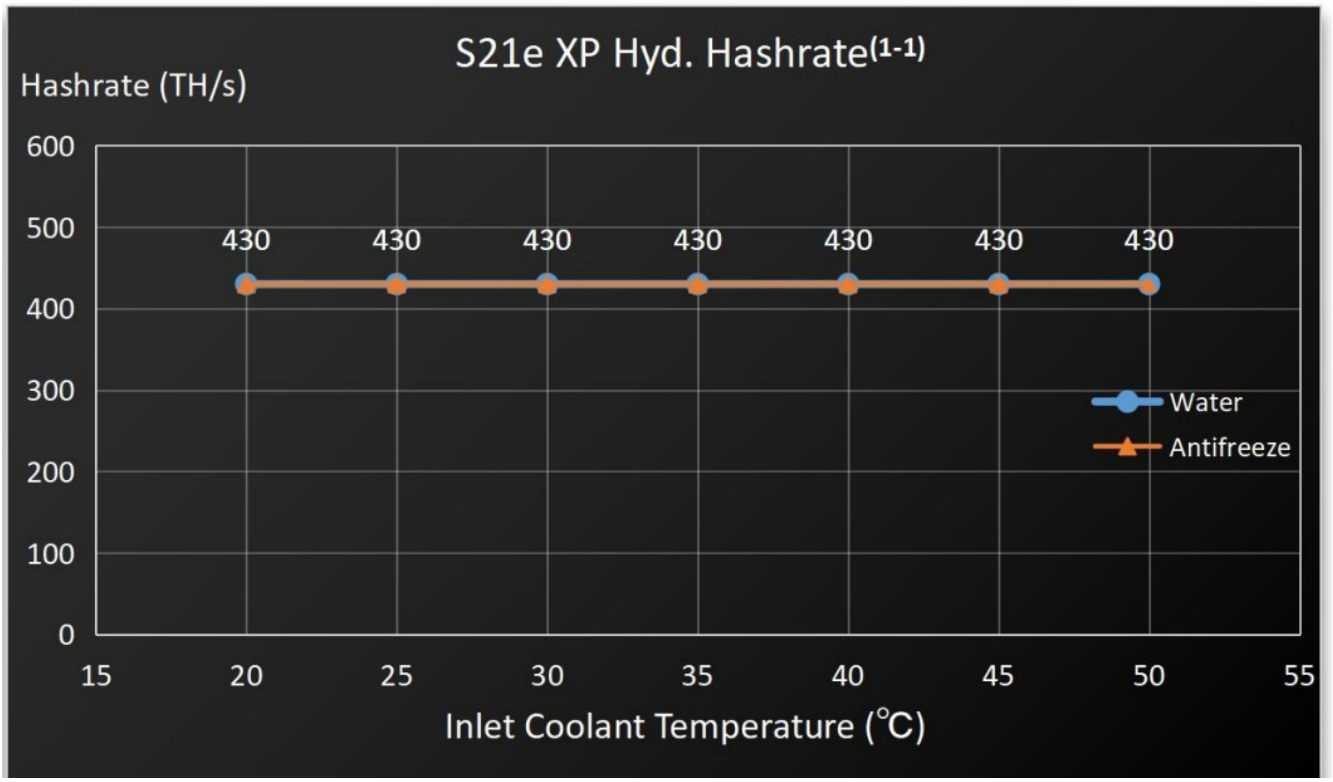
Notes

1. The hashrate value, power on wall, and power efficiency on wall are all typical values. The actual hashrate value fluctuates by ±3%, and the actual power on wall and power efficiency on wall fluctuate by ±5%.
2. Inlet coolant temperature.
    1. Caution: Wrong input voltage may cause server damaged.
    2. For detailed working coolant use and maintenance instructions, please refer to “ANTSPACE HK3 Water Cooling Container & Dry-Wet Tower Product Manual”, Chapter 9, Article 3, Point 6, “Maintenance of Coolant”!

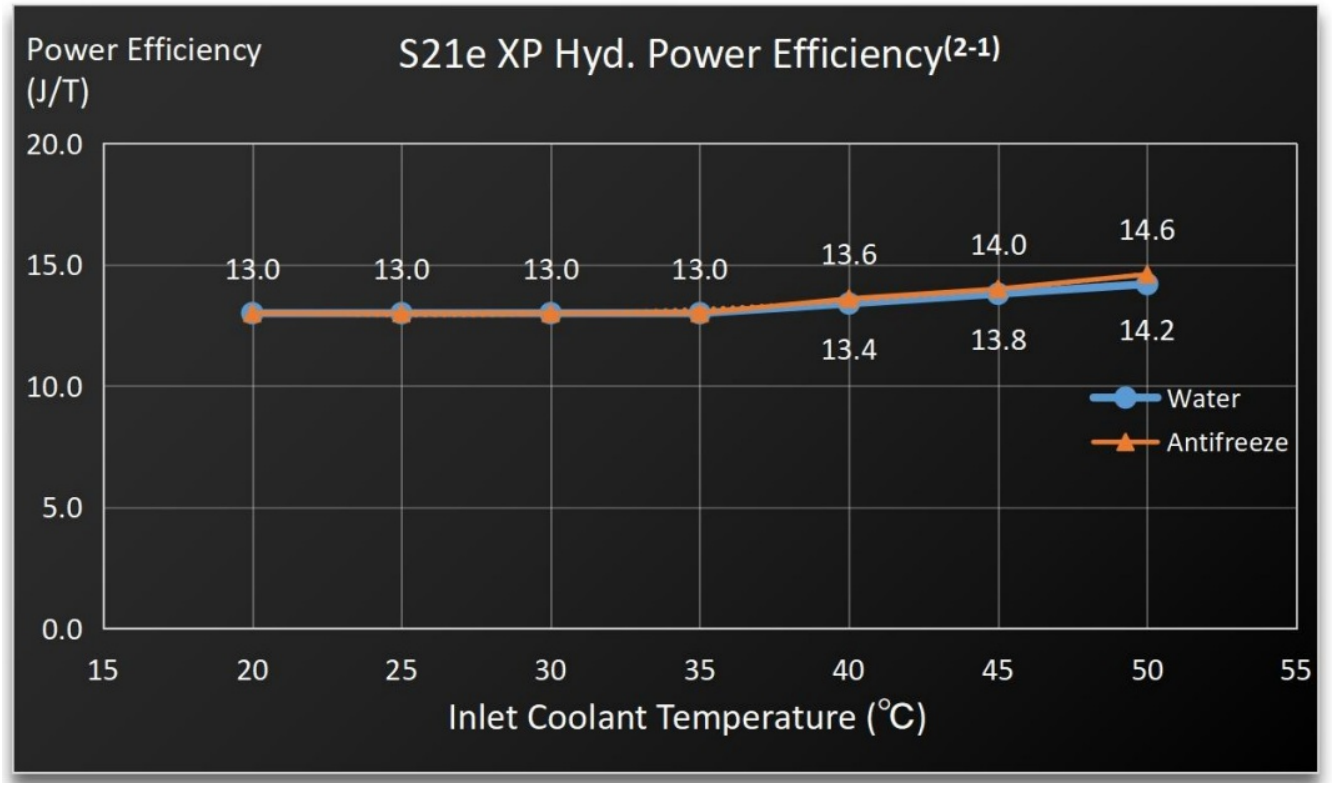
Product Usage Instructions

Performance Curves

1. Hashrate vs. Inlet Coolant Temperature



2. Power Efficiency vs. Inlet Coolant Temperature



3. The hashrate value, and power efficiency on wall are all typical values. The actual hashrate value fluctuates by ±3%, and the actual power efficiency on wall fluctuate by ±5%.

Setup Instructions

1. Place the product on a stable surface with proper ventilation.
2. Connect the power supply following the specified input voltage and current requirements.
3. Ensure proper coolant flow and pressure within the recommended ranges.
4. Connect the product to the network using the RJ45 Ethernet connection.

Maintenance Instructions

- Regularly check coolant levels and pH value to maintain optimal performance.
- Clean the coolant pipe connectors and ensure no blockages for smooth coolant flow.
- Monitor the hardware configuration for any abnormalities and take necessary actions.

FAQs (Frequently Asked Questions)

- **Q: What is the optimal operating temperature for the product?**
  A: The product operates best within a temperature range of -20 to 70 degrees Celsius.
- **Q: How often should I check the coolant levels?**
  A: It is recommended to check the coolant levels regularly and top up if needed to maintain proper cooling efficiency.

Documents / Resources

	BITMAIN AntMiner S21e XP Hyd Bitcoin Miner [pdf] User Guide AntMiner S21e XP Hyd Bitcoin Miner, AntMiner S21e, XP Hyd Bitcoin Miner, Bitcoin Miner, Miner

References

- BITMAIN
- User Manual