ANT**MINER**

S21 XP Hyd.

Product Manual

Feb. 2025

BITMAIN

BITMAIN TECHNOLOGIES INC.

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1. Specification

Product Glance	Value	
Model	**S21 XP Hyd.**	
Sub	**440T**	**473**
Version	**10**	
Crypto algorithm/coins	**SHA256|BTC/BCH/BSV**	
Typical hashrate, **TH/s**[1-1]	**440**	**473**
Power on wall @35℃[1-2], **Watt**[1-1]	**5280**	**5676**
Power efficiency on wall@35℃[1-2], **J/T**[1-1]	**12**	

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, **℃**	**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, **℃**	**-20~70**
Operation humidity(non-condensing), **RH**	**10~90%**

Notes:

(1-1) The hashrate value, power on wall, and power efficiency on wall are all typical values. The actual hashrate value fluctuates by $\pm$ 3%, and the actual power on wall and power efficiency on wall fluctuate by $\pm$5%.
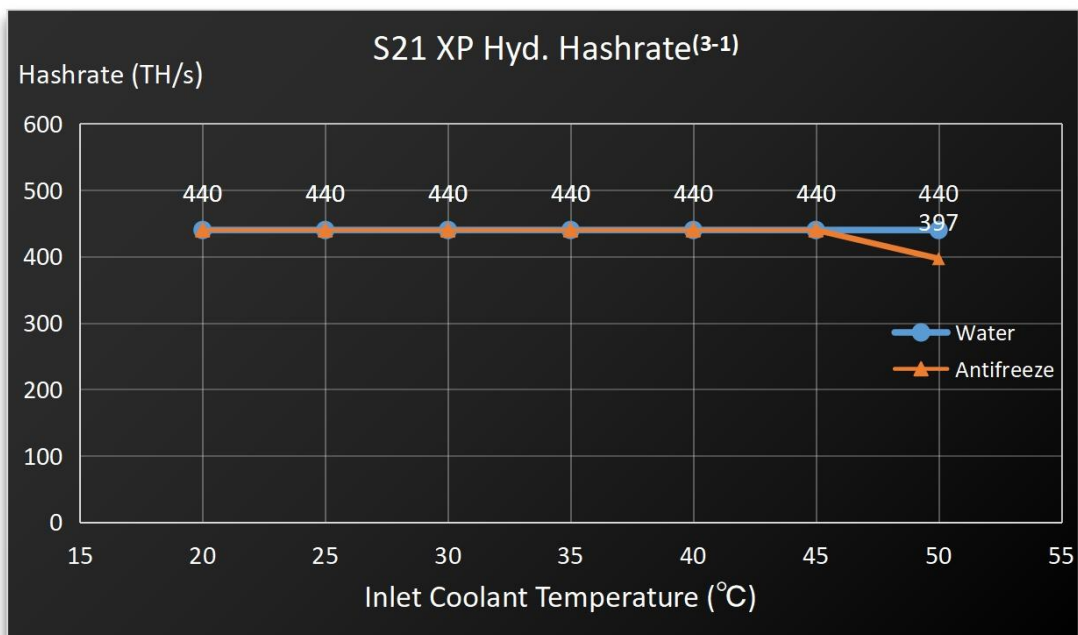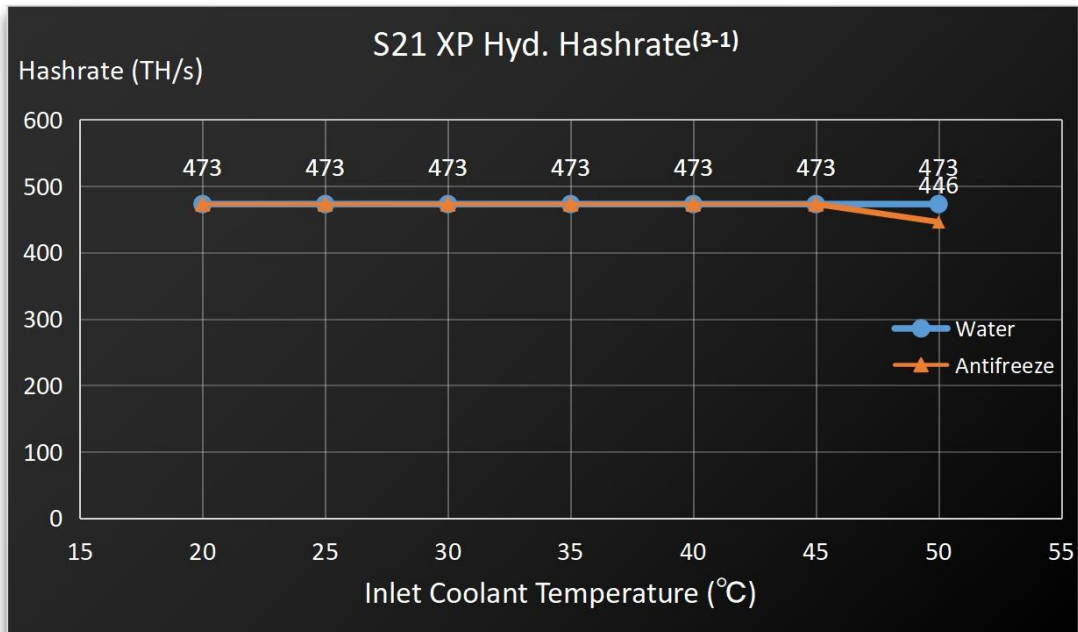
(1-2) Inlet coolant temperature.

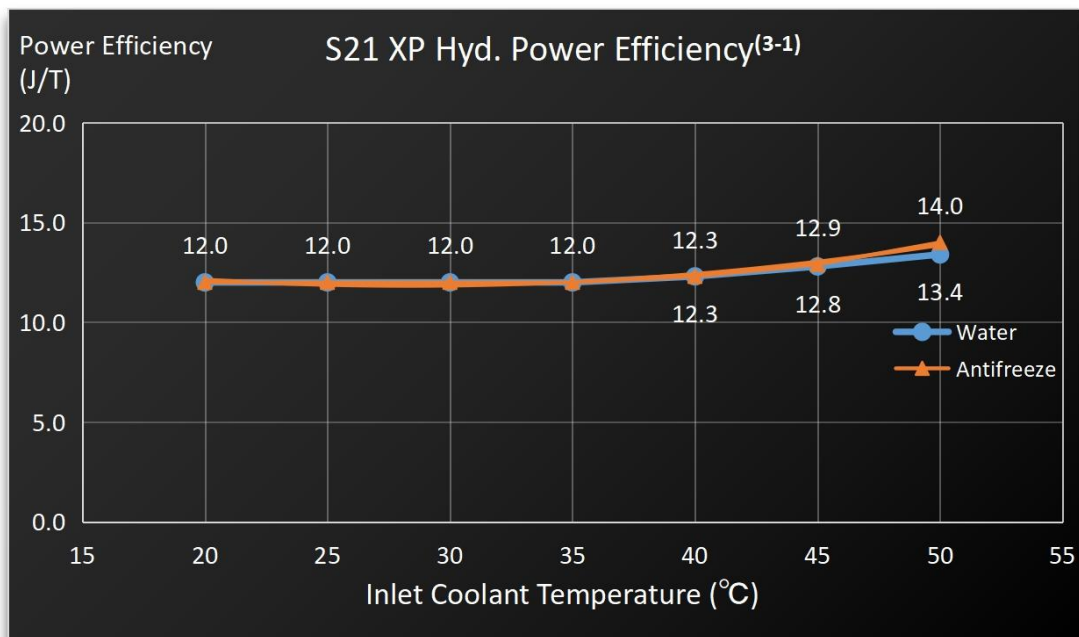(2-1) Caution: Wrong input voltage may cause server damaged.

(2-2) 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"!

2. Performance Curves

(1) Hashrate vs. Inlet Coolant Temperature

(2) **Power Efficiency vs. Inlet Coolant Temperature**

(3-1)The hashrate value, and power efficiency on wall are all typical values. The actual hashrate value fluctuates by $\pm$3%, and the actual power efficiency on wall fluctuate by $\pm$5%.