



# S21 XP Hyd.

Product Manual

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**BITMAIN**

BITMAIN TECHNOLOGIES INC.

# 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 <sup>(1-1)</sup>	440	473
Power on wall @35°C <sup>(1-2)</sup> , Watt <sup>(1-1)</sup>	5280	5676
Power efficiency on wall@35°C <sup>(1-2)</sup> , J/T <sup>(1-1)</sup>	12	
Detailed Characteristics	Value	
<b>Power Supply</b>		
Phase	3	
Input voltage, Volt <sup>(2-1)</sup>	380~415	
Input frequency range, Hz	50~60	
Input max current, Amp	12	
<b>Hardware Configuration</b>		
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	
<b>Environment Requirements</b>		
Inlet coolant temperature, °C	20~50	
Coolant flow, L/min	8.0~10.0	
Coolant pressure, bar	≤3.5	
Working coolant <sup>(2-2)</sup>	Antifreeze/ Pure water/Deionized water	
Coolant pH value	Antifreeze: 7.0~9.0 Pure 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:

(1-1) 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  $\pm 5\%$ .

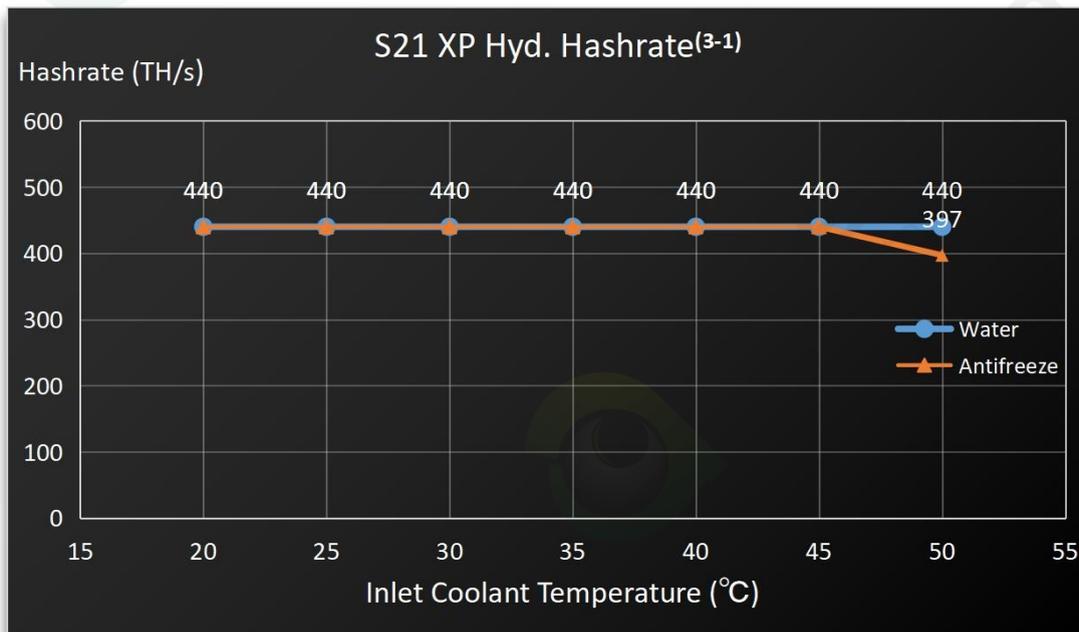
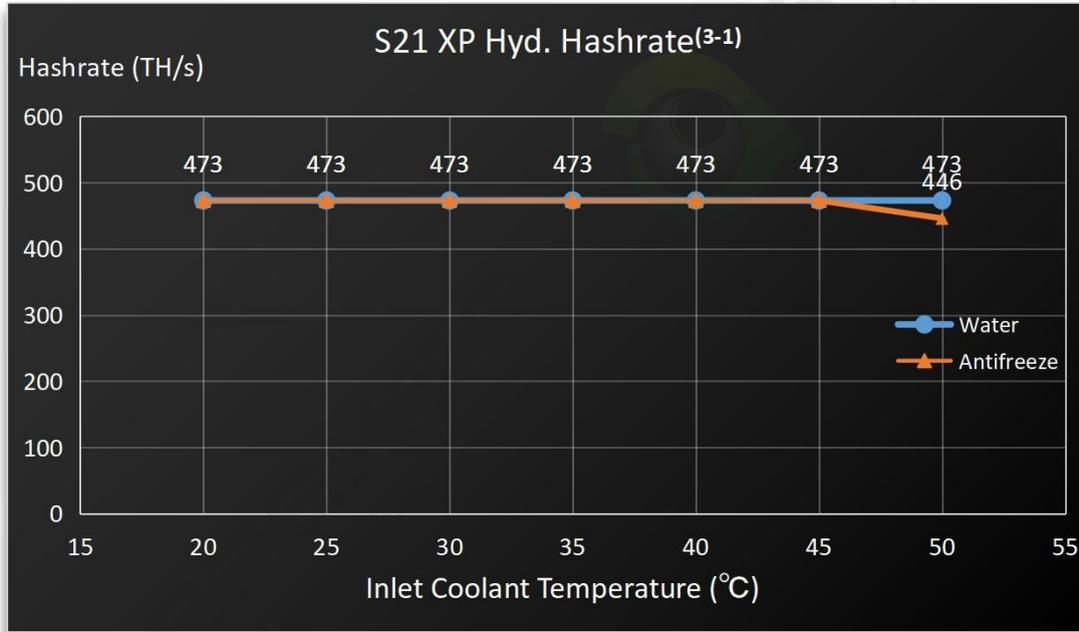
(1-2) Inlet coolant temperature.

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

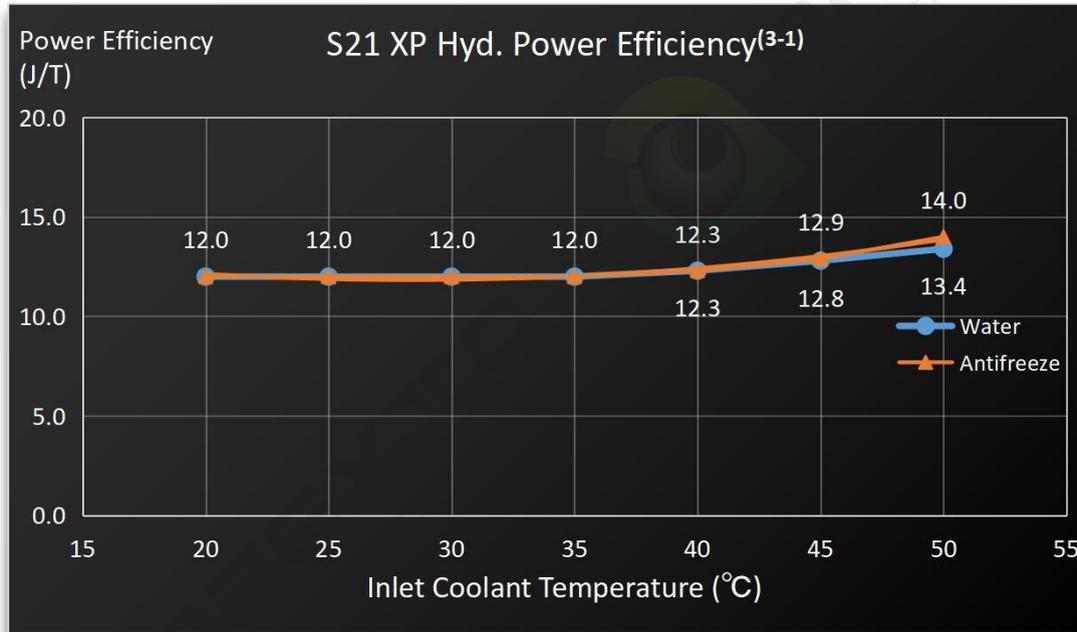
(2-2) For detailed working coolant use and maintenance instructions, please refer to "ANTSPACE HK3 Water Cooling Container & Dry-Wet Tower Product Manual", Chapter 9, Article 3, Point 6, "Maintenance of Coolant"!

## 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  $\pm 5\%$ .