



# S21 XP Hyd.

## Product Manual

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**BITMAIN**

BITMAIN TECHNOLOGIES INC.

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# 1. Specification

Product Glance	Value
Model	S21 XP Hyd.
Sub	473T
Version	10
Crypto algorithm/coins	SHA256 BTC/BCH/BSV
Typical hashrate, <b>TH/s</b> <sup>(1-1)</sup>	473
Power on wall @35°C <sup>(1-2)</sup> , <b>Watt</b> <sup>(1-1)</sup>	5676
Power efficiency on wall@35°C <sup>(1-2)</sup> , <b>J/T</b> <sup>(1-1)</sup>	12.0
Detailed Characteristics	Value
<b>Power Supply</b>	
Phase	3
Input voltage, <b>Volt</b> <sup>(2-1)</sup>	380~415
Input frequency range, <b>Hz</b>	50~60
Input max current, <b>Amp</b>	12
<b>Hardware Configuration</b>	
Network connection mode	RJ45 Ethernet 10/100M
Server size (length*width*height, w/o package), <b>mm</b>	339*173*207
Server size (length*width*height, with package), <b>mm</b>	570*316*430
Net weight, <b>kg</b>	13.8
Gross weight, <b>kg</b>	15.7
<b>Environment Requirements</b>	
Inlet coolant temperature, °C	20~50
Coolant flow, <b>L/min</b>	8.0~10.0
Coolant pressure, <b>bar</b>	≤3.5
Working coolant <sup>(2-2)</sup>	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, <b>mm</b>	OD10
Storage temperature, °C	-20~70
Operation humidity(non-condensing), <b>RH</b>	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 ±3%, and the actual power on wall and power efficiency on wall fluctuate by ±5%.

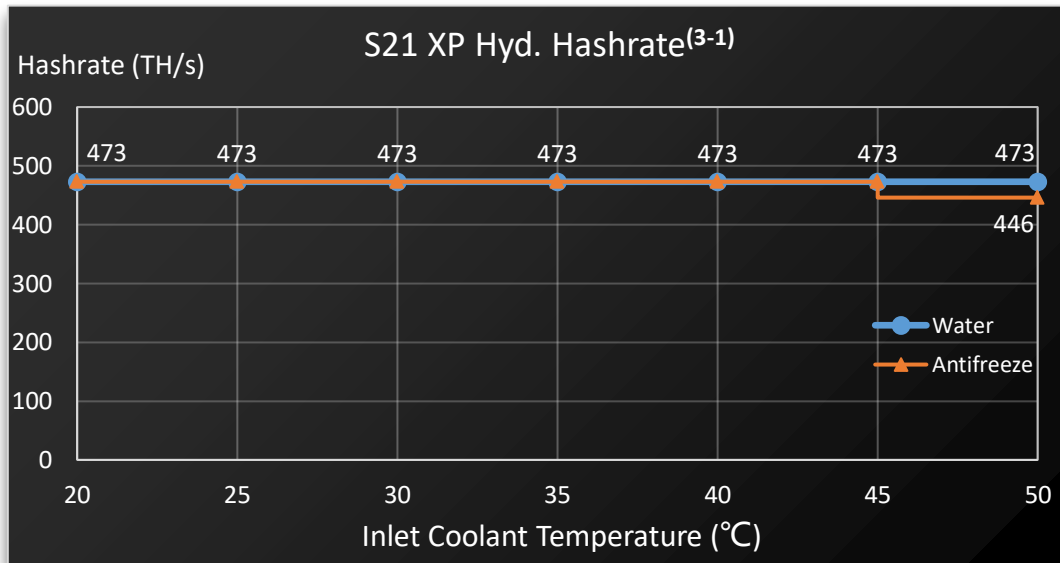
(1-2) Inlet coolant temperature.

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

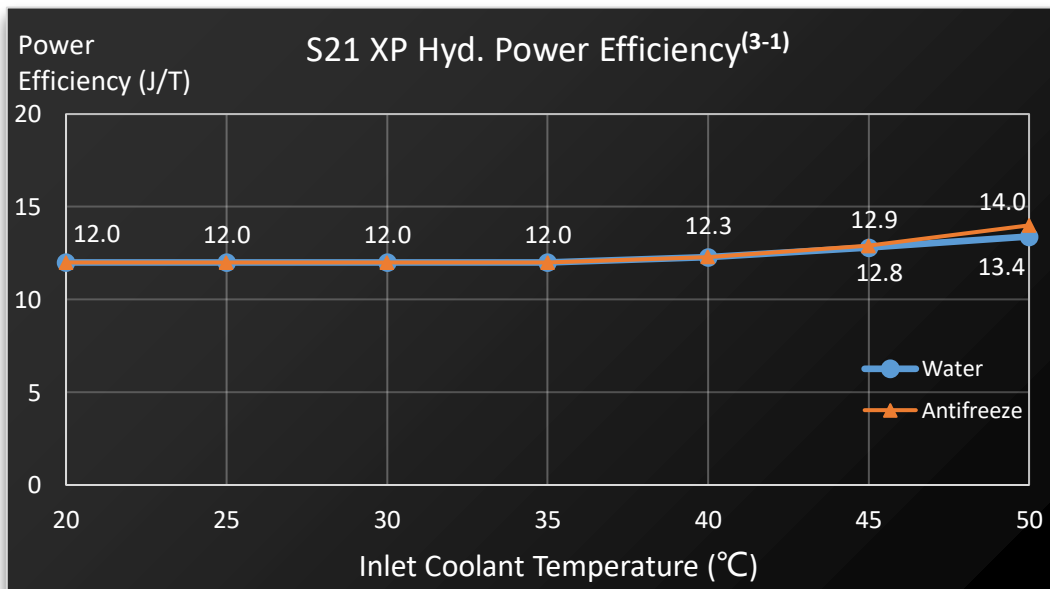
(2-2) For detailed working coolant use and maintenance instructions, please refer to "ANTSPACE HK3 Water Cooling Container & Dry-Wet Tower Product Manual", Chapter 9, Article 3, Point 6, "Maintenance of Coolant"!

## 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  $\pm 5\%$ .