ANTMINER

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	**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**	

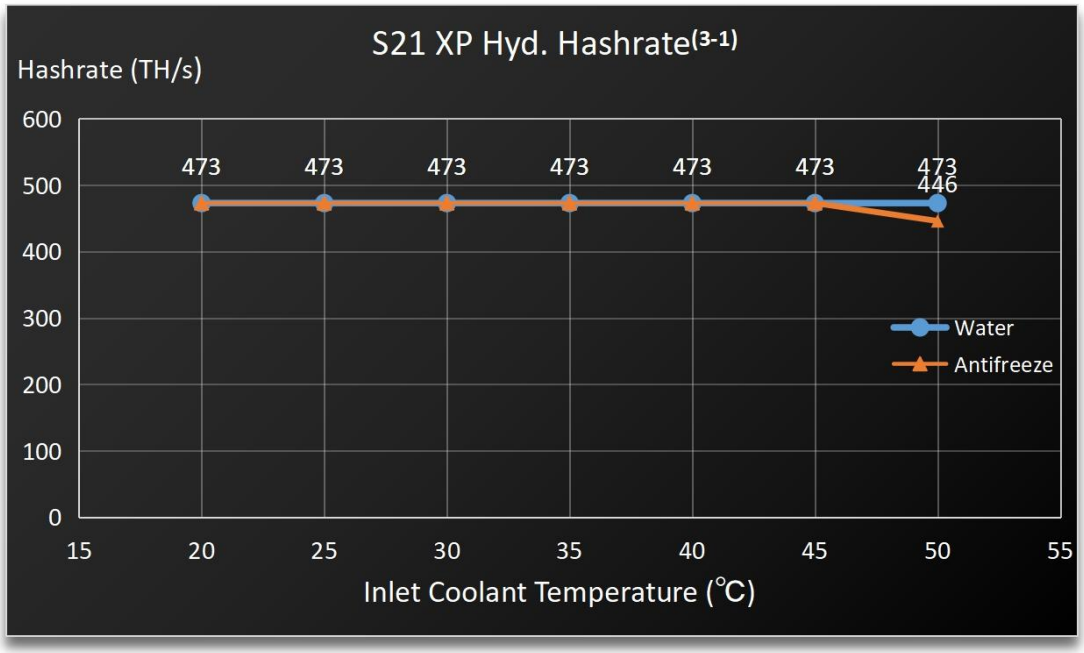
Detailed Characteristics	Value
Power Supply	
Phase	**3**
Input voltage, **Volt**(2-1)	**380~415**
Input frequency range, **Hz**	**50~60**
Input max current, **Amp**	**12**
Hardware Configuration	
Network connection mode	**RJ45 Ethernet 10/100M**
Server size (length*width*height, w/o package), **mm**	**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 Pure 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%**

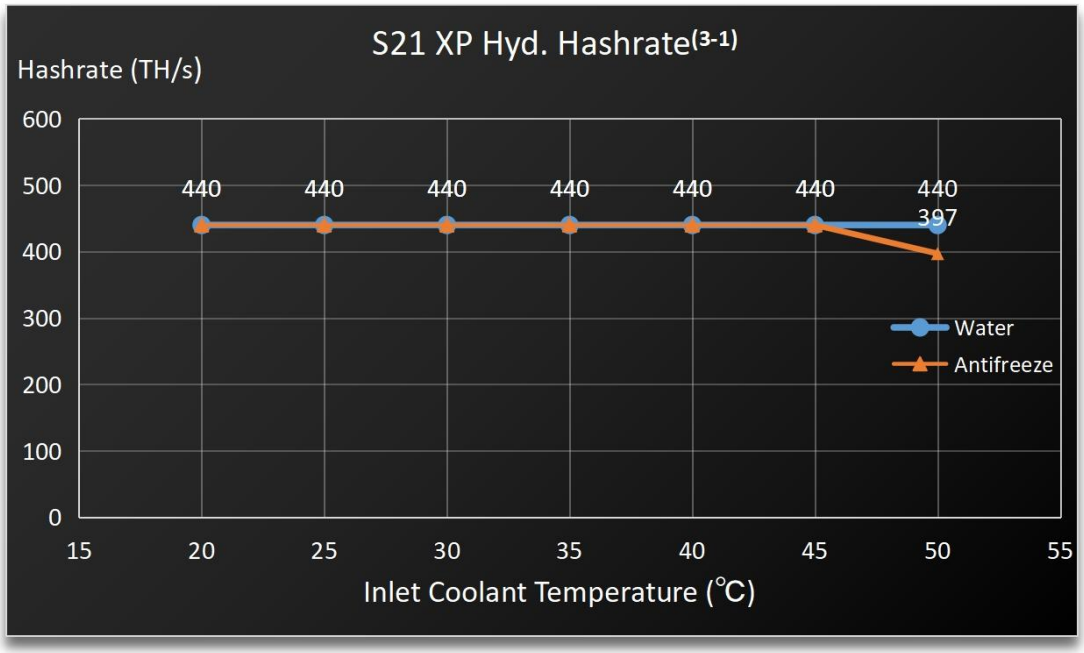
Notes:

(1-1) The hashrate value, power on wall, and power efficiency on wall are all typical values. The actual hashrate value fluctuates by ± 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"!

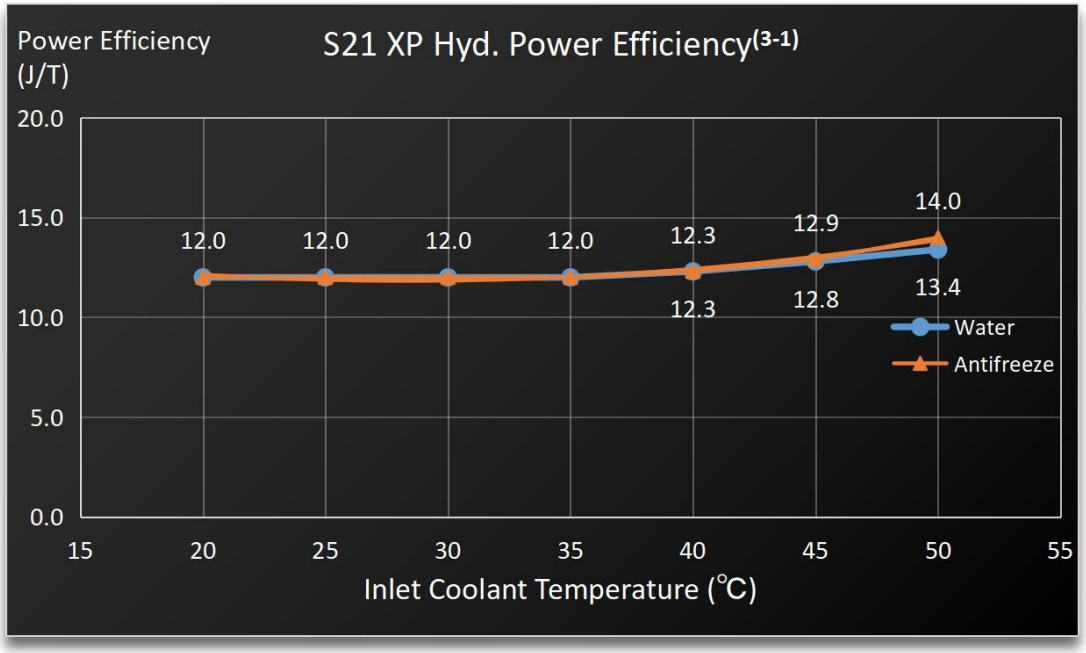
2. Performance Curves

(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 ±3%, and the actual power efficiency on wall fluctuate by ±5%.