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** | |

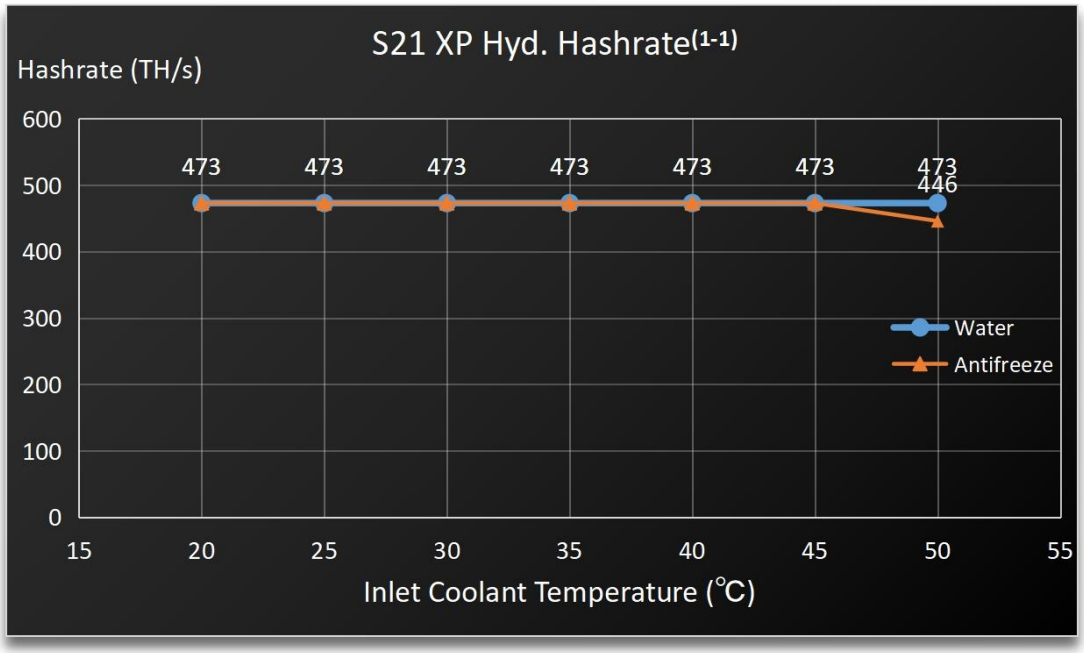
| Detailed Characteristics | Value |
|---|---|
| **Power Supply** | |
| Phase | **3** |
| Input voltage, **Volt**(2-1) | **380~415** |
| Input frequency range, **Hz** | **50~60** |
| Input max current, **Amp** | **12** |
| **Hardware Configuration** | |
| Network connection mode | **RJ45 Ethernet 10/100M** |
| 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<br>Prue water: 6.5~7.5<br>Deionized water：8.5~9.5** |
| Diameter of coolant pipe connector, **mm** | **OD10** |
| Storage temperature, **℃** | **-20~70** |
| Operation humidity(non-condensing), **RH** | **10~90%** |

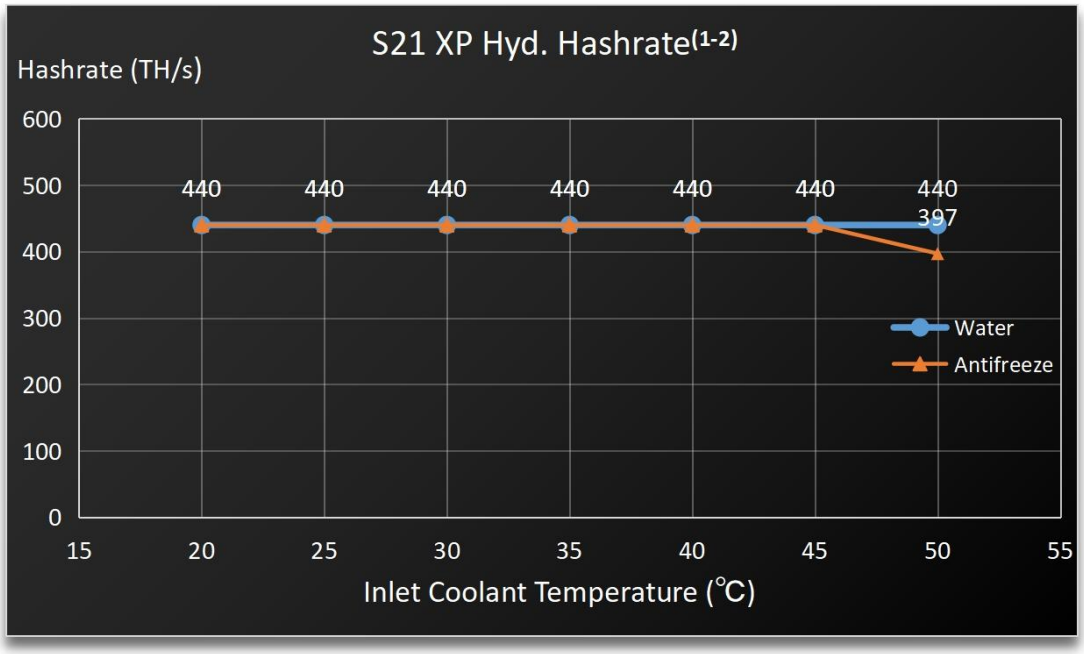
## Notes:

(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"!

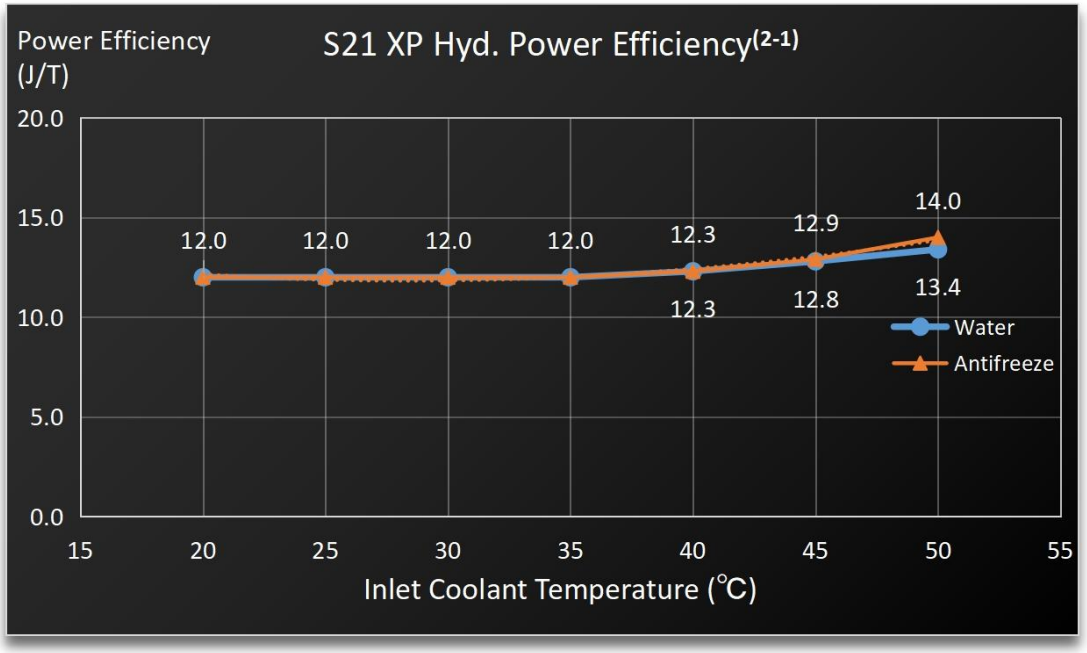
# 2. Performance Curves

### (1) Hashrate vs. Inlet Coolant Temperature



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




(1-1) 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%.