



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	500T
Version	10
Crypto algorithm/coins	SHA256 BTC/BCH/BSV
Typical hashrate, TH/s ⁽¹⁻¹⁾	500
Power on wall @35°C ⁽¹⁻²⁾ , Watt ⁽¹⁻¹⁾	5500
Power efficiency on wall@35°C ⁽¹⁻²⁾ , J/T ⁽¹⁻¹⁾	11.0
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	14.8
Gross weight, kg	16.7
Environment Requirements	
Inlet coolant temperature, °C	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, °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 $\pm 5\%$.

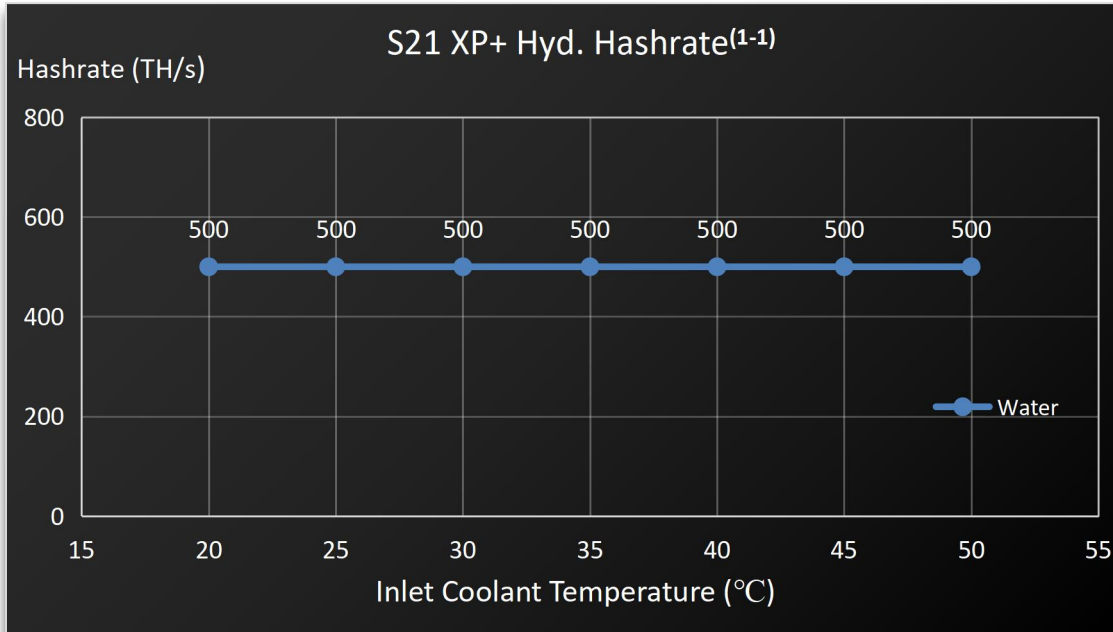
(1-2) Inlet coolant temperature.

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

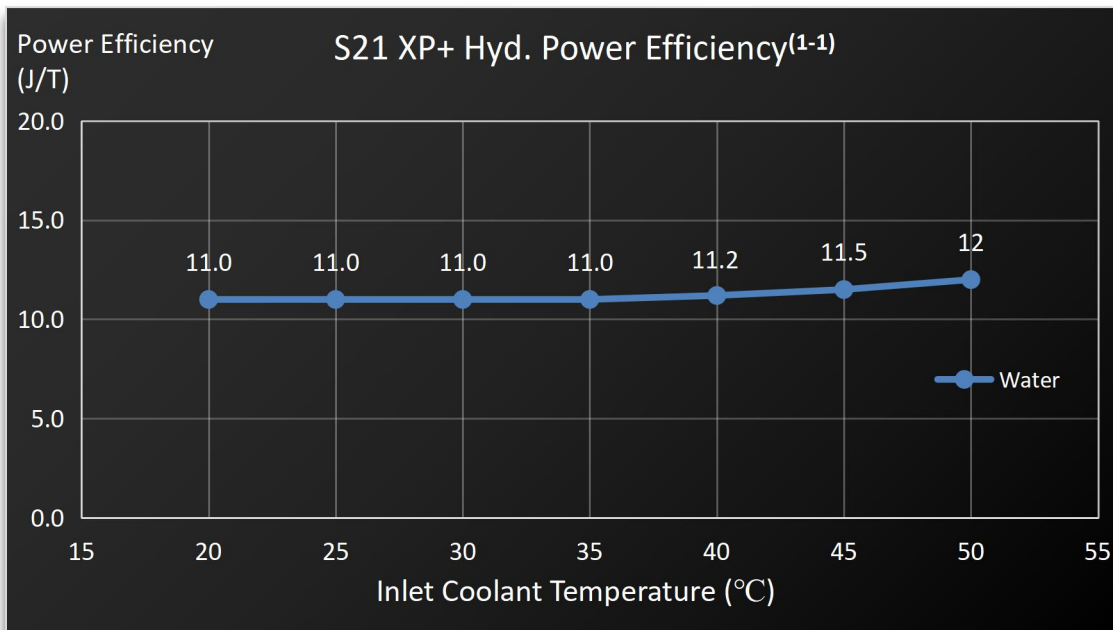
(2-2) For detailed working coolant use and maintenance instructions, please refer to "ANTSPACE HK3 Water Cooling Container & Dry-Wet Tower Product Manual", Chapter 9, Article 3, Point 6, "Maintenance of Coolant"!

2. Performance Curve

(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 $\pm 5\%$.