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S19 XP+ Hyd.

Product Manual

Feb. 2025

BITMAIN

BITMAIN TECHNOLOGIES INC.

1. Specification

Product Glance	Value			
Model	S19 XP+ Hyd.			
Sub	252T	266T	279T	293T
Version	10			
Crypto algorithm/coins	SHA256 BTC/BCH/BSV			
Typical hashrate, TH/s ⁽¹⁻¹⁾	252	266	279	293
Power on wall @35°C ⁽¹⁻²⁾ , Watt ⁽¹⁻¹⁾	4788	5054	5301	5567
Power efficiency on wall@35°C ⁽¹⁻²⁾ , J/T ⁽¹⁻¹⁾	19			
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	12.3			
Gross weight, kg	13.6			
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 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 $\pm 5\%$.

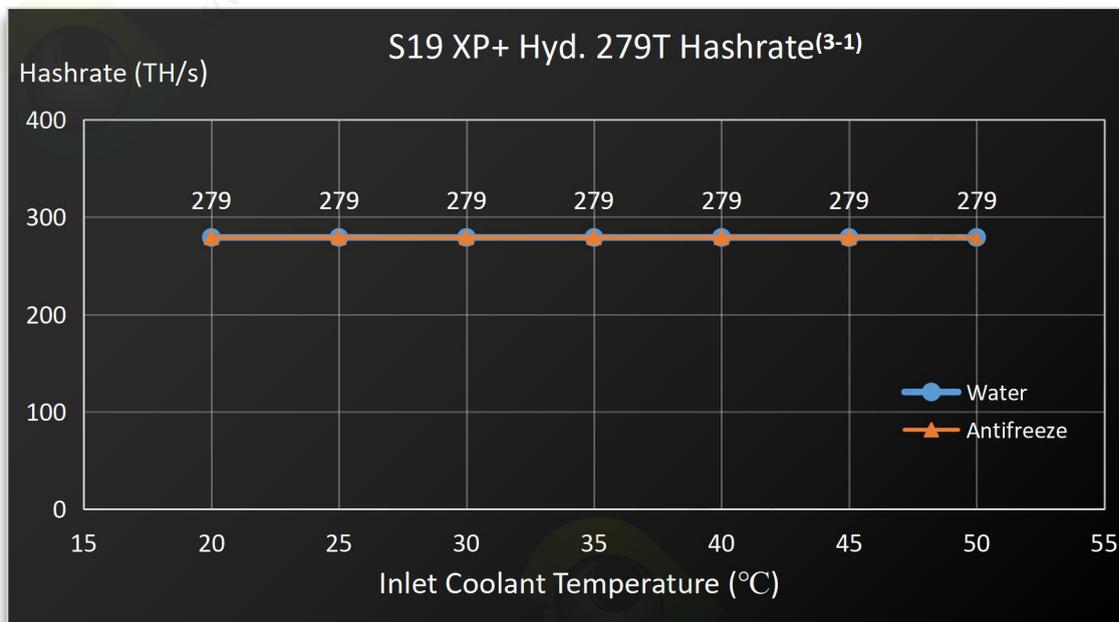
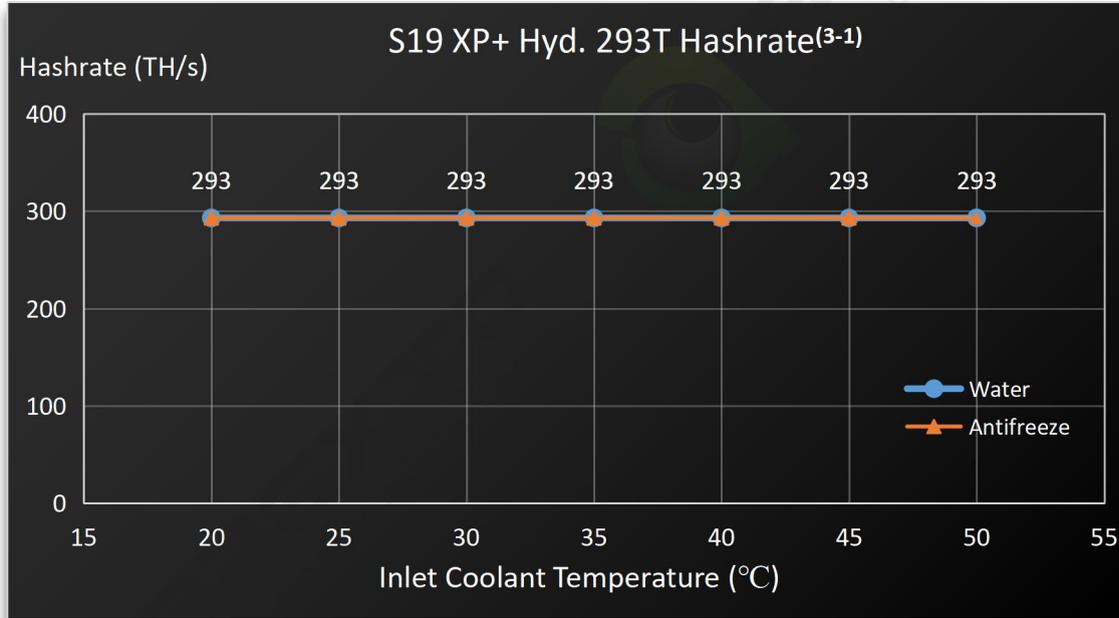
(1-2) Inlet coolant temperature.

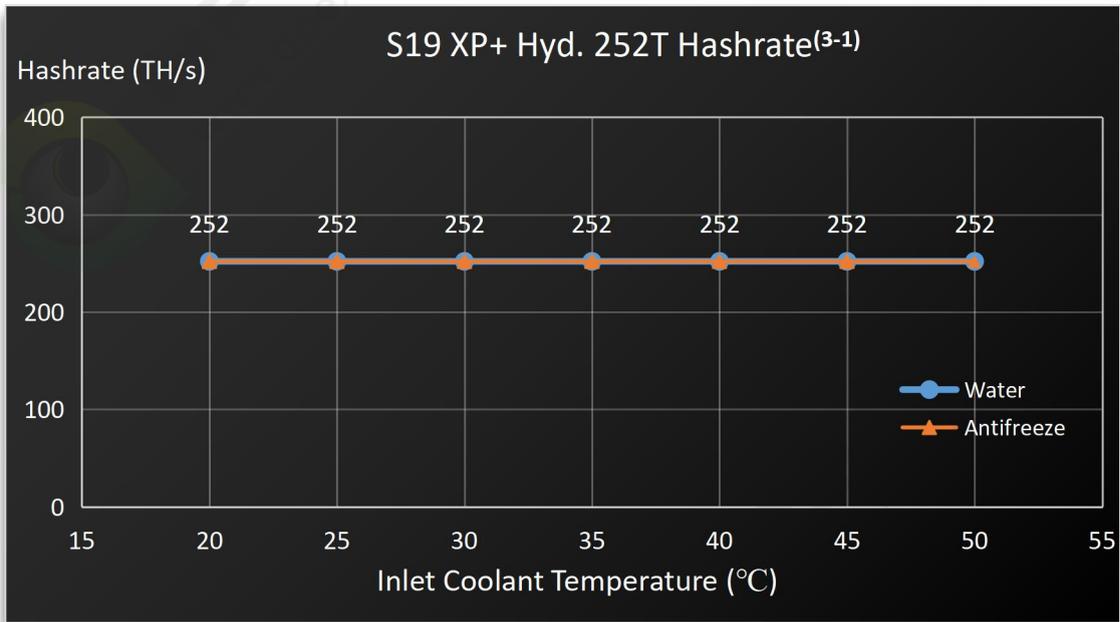
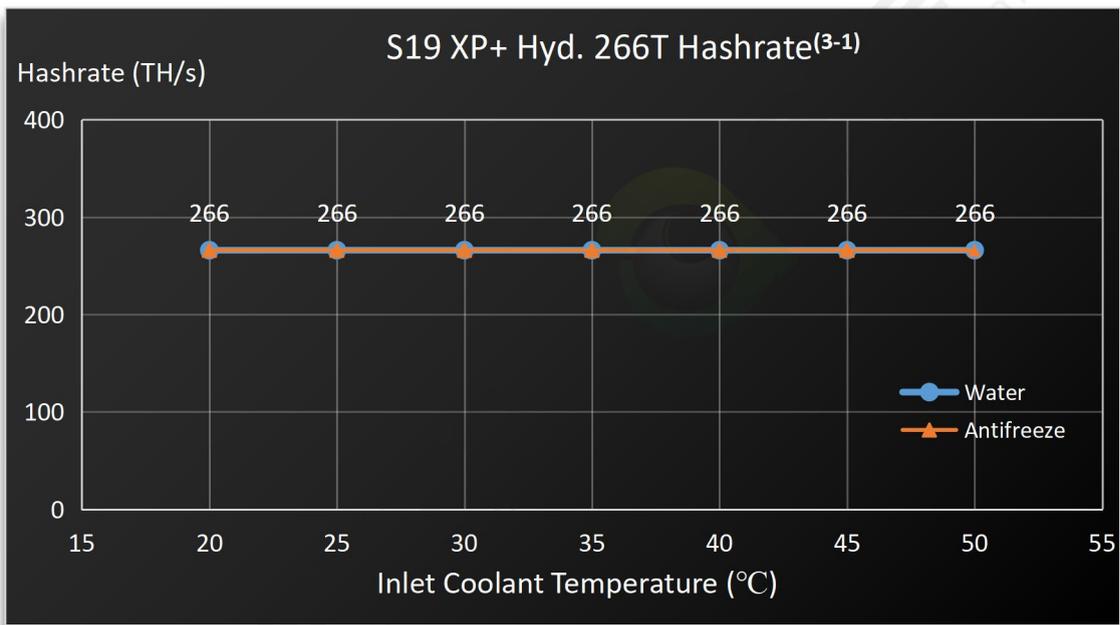
(2-1) Caution: Wrong input voltage may cause server damaged.

(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"!

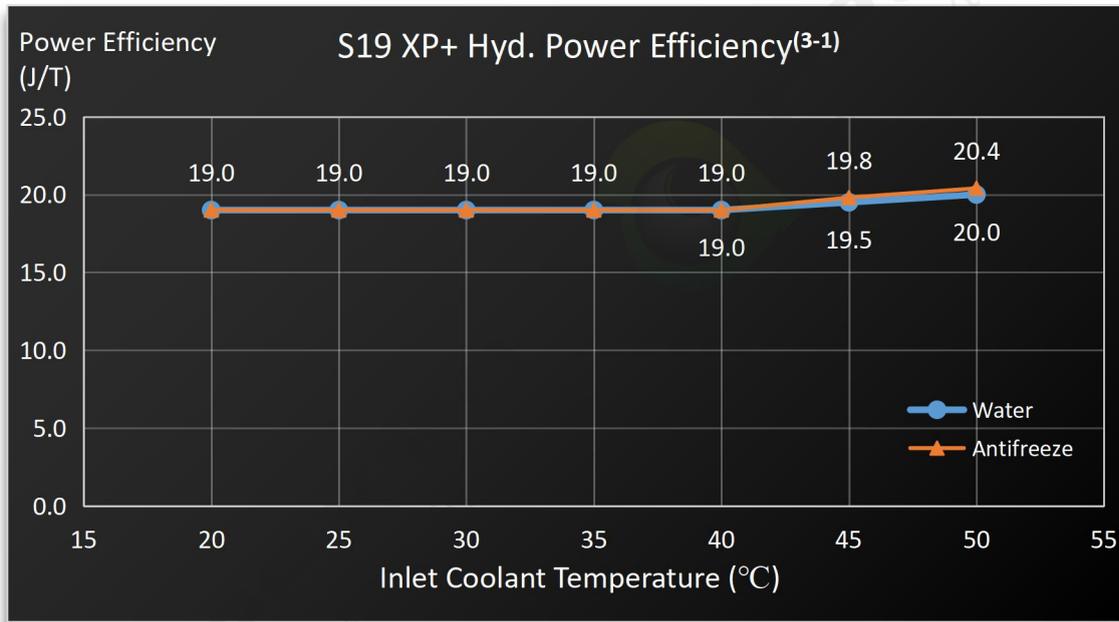
2. Performance Curves

(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 $\pm 5\%$.