



# **S21e Hyd.**

Product Manual

Jan. 2025

**BITMAIN**

BITMAIN TECHNOLOGIES INC.

# 1. Specification

Product Glance	Value		
Model	S21e Hyd.		
Version	(332T-10)	(310T-10)	(288T-10)
Crypto algorithm/coins	SHA256 BTC/BCH/BSV		
Typical hashrate, <b>TH/s</b> <sup>(1-1)</sup>	332	310	288
Power on wall @35°C <sup>(1-2)</sup> , <b>Watt</b> <sup>(1-1)</sup>	5644	5270	4896
Power efficiency on wall@35°C <sup>(1-2)</sup> , <b>J/T</b> <sup>(1-1)</sup>	17		

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*176*208
Server size (length*width*height, with package), <b>mm</b>	570*316*430
Net weight, <b>kg</b>	12.8
Gross weight, <b>kg</b>	14.1
<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  $\pm 3\%$ , and the actual power on wall and power efficiency on wall fluctuate by  $\pm 5\%$ .

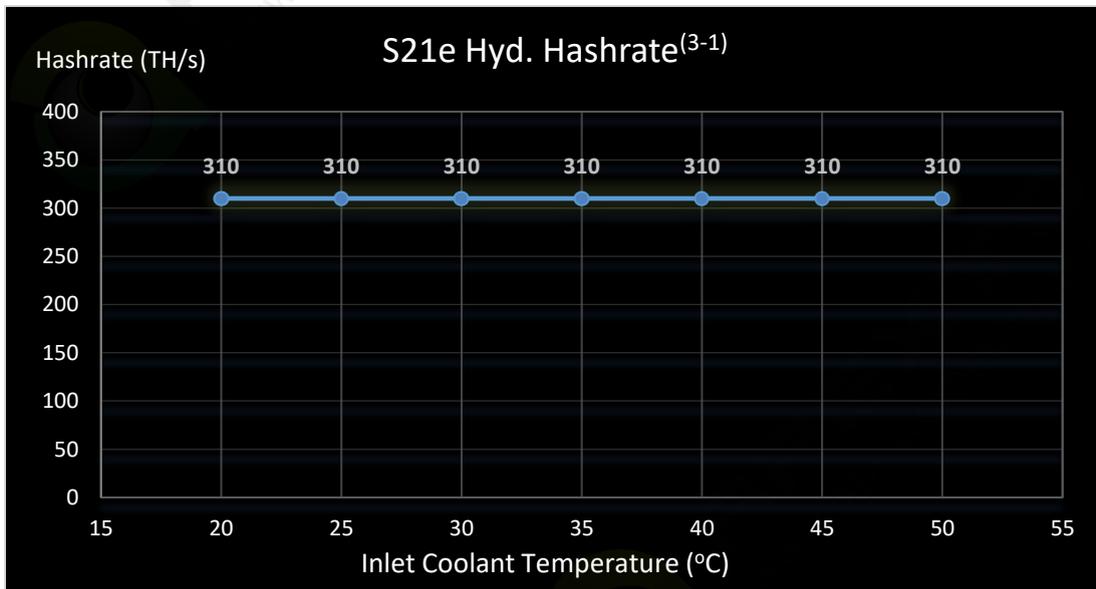
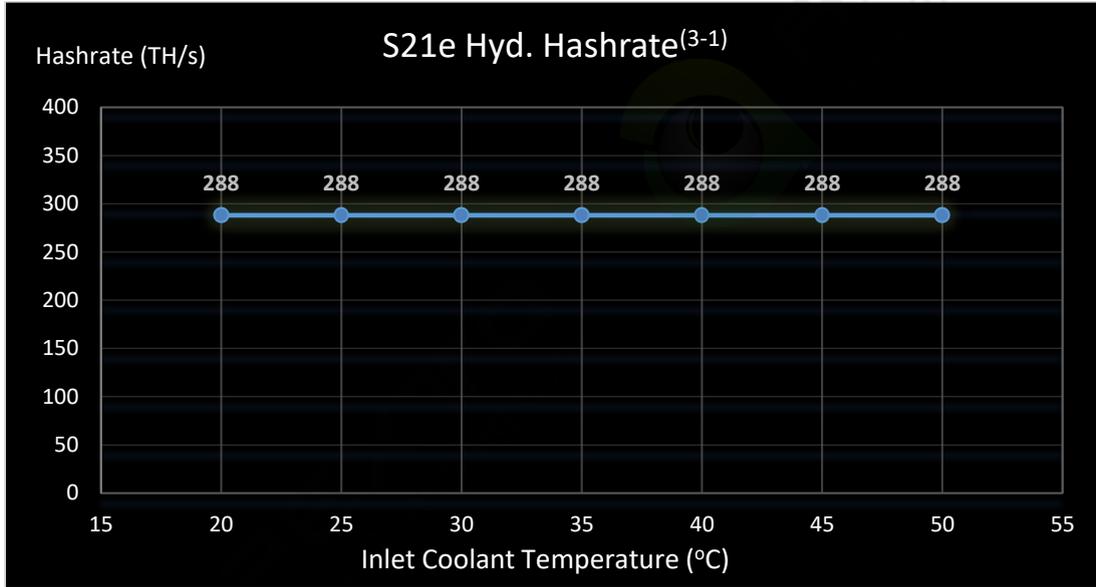
(1-2) Inlet coolant temperature.

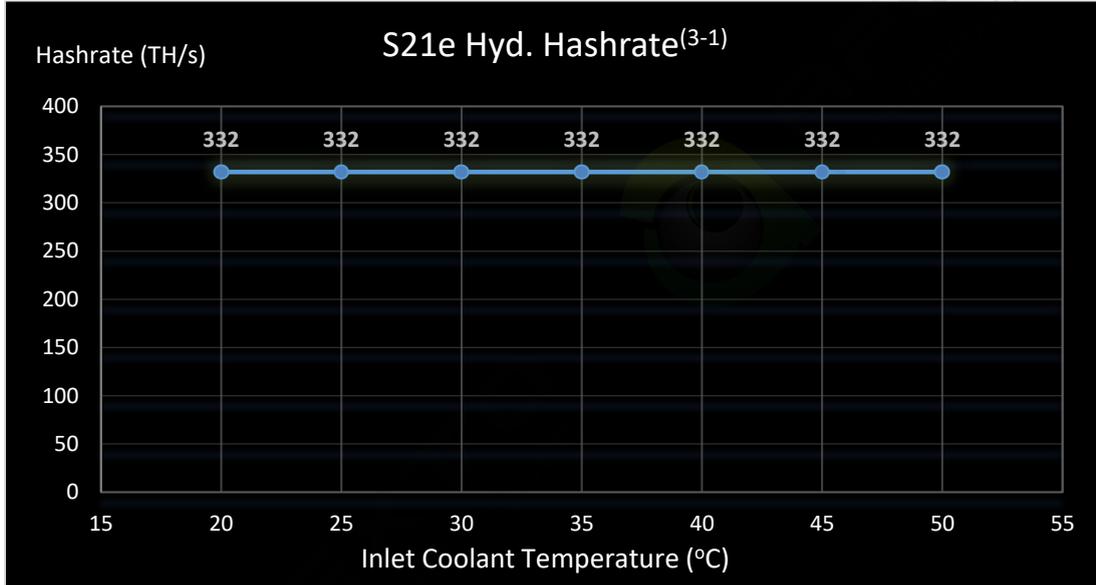
(2-1) Caution: Wrong input voltage may cause server damaged.

(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"!

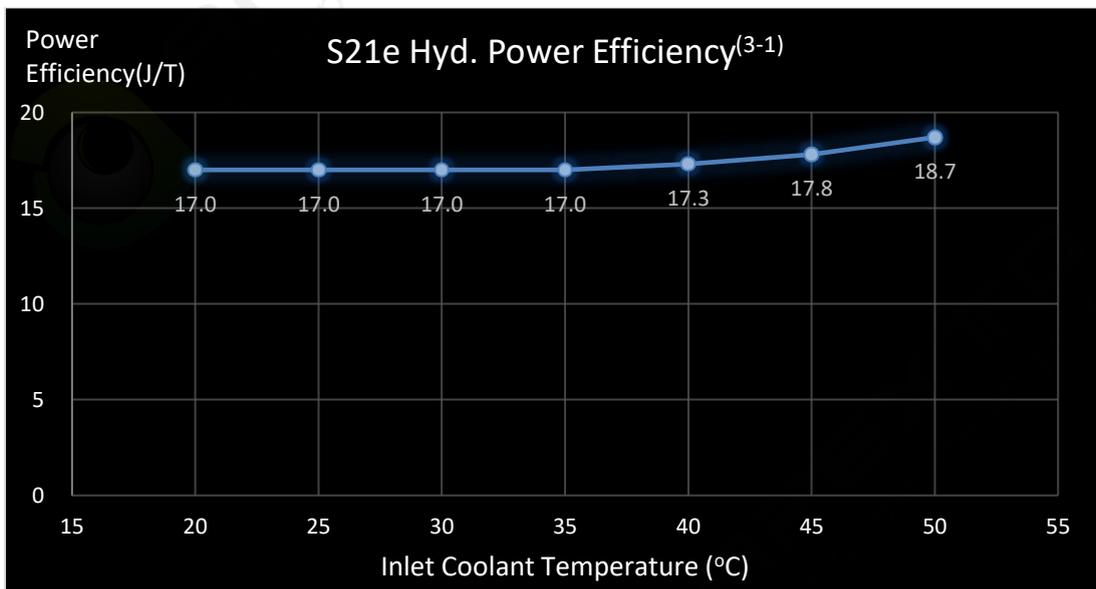
## 2. Performance Curve

### (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  $\pm 5\%$ .