ANTMINER

S21 Hyd.

Product Manual

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BITMAIN

BITAMIN TECHNOLOGIES INC.

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1. Specification

Product Glance	Value
Model	**S21 Hyd.**
Version	**m0-10**
Crypto algorithm/coins	**SHA256|BTC/BCH/BSV**
Typical Hashrate, **TH/s**(1-1)	**335**
Power on wall @35℃(1-2), **Watt**(1-1)	**5360**
Power efficiency on wall@35℃(1-2), **J/TH**(1-1)	**16.0**

Detailed Characteristics	Value
Power supply	
Power supply AC input voltage, **Volt**(2-1)	**380~415V AC**
Power supply AC input frequency range, **Hz**	**50~60**
Power supply AC input current, **Amp**(2-2)	**12**
Hardware configuration	
Network connection mode	**RJ45 Ethernet 10/100M**
Server size (Length*Width*Height, w/o package), **mm**	**339*163*207**
Server size (Length*Width*Height, with package), **mm**	**570*316*430**
Net weight, **kg**	**12.3**
Gross weight, k**g**	**13.6**
Environment requirements	
Inlet water temperature, **℃**(2-3)	**20~50**
Water flow, **L/min**	**8.0~10.0**
Water pressure **bar**	**≤3.5**
Working fluid(2-4)	**Antifreeze/Deionized water/ Pure water**
Liquid PH	**8.5~9.5**
Diameter of water pipe connector, **mm**	**DN10**
Storage temperature, **℃**	**-20~70**
Operation humidity(non-condensing), **RH**	**10~90%**

Notes:

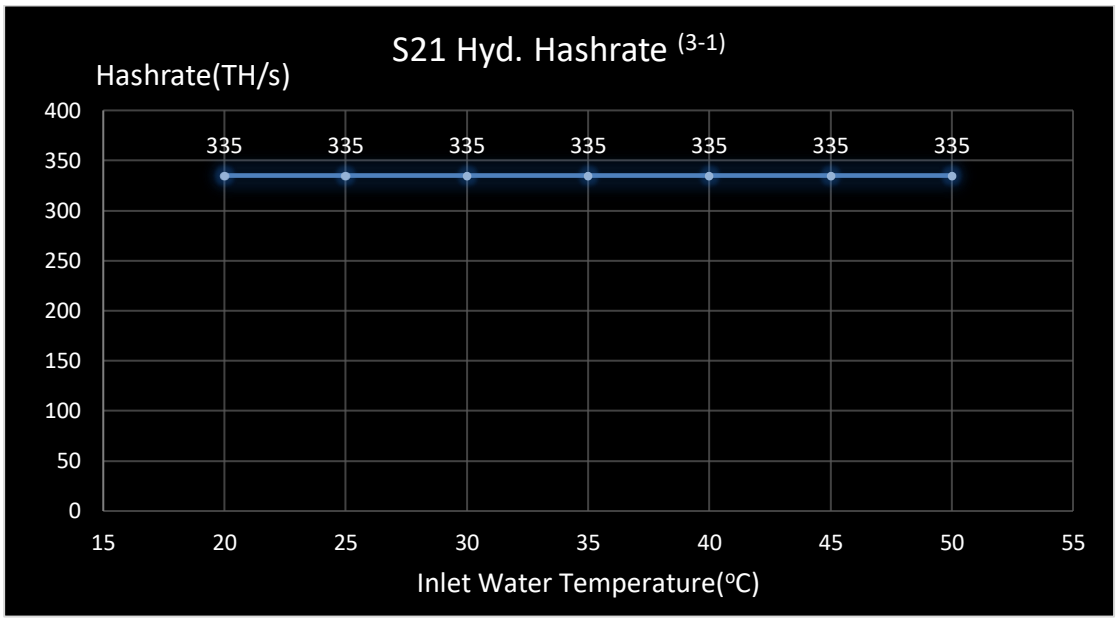
(1-1) The hashrate value, Power on wall, and Power efficiency on wall are all typical values. The actual hashrate value fluctuates by ±3%, and the actual Power on wall and Power efficiency on wall fluctuate by ±5%.
(1-2) Inlet water temperature.
(2-1) Caution: Wrong input voltage may cause server damaged.
(2-2) Three-phase AC input, 12A max.
(2-3) If the inlet water temperature is lower than 20 °C, the miner cannot be started. **For the external dry cooler (EC2-DT),**

- if the outlet water temperature is 35°C, the maximum ambient temperature is 30°C;
- if the outlet water temperature is 45°C, the maximum ambient temperature is 40°C;
- if the outlet water temperature is 50°C, the maximum ambient temperature is 45°C.

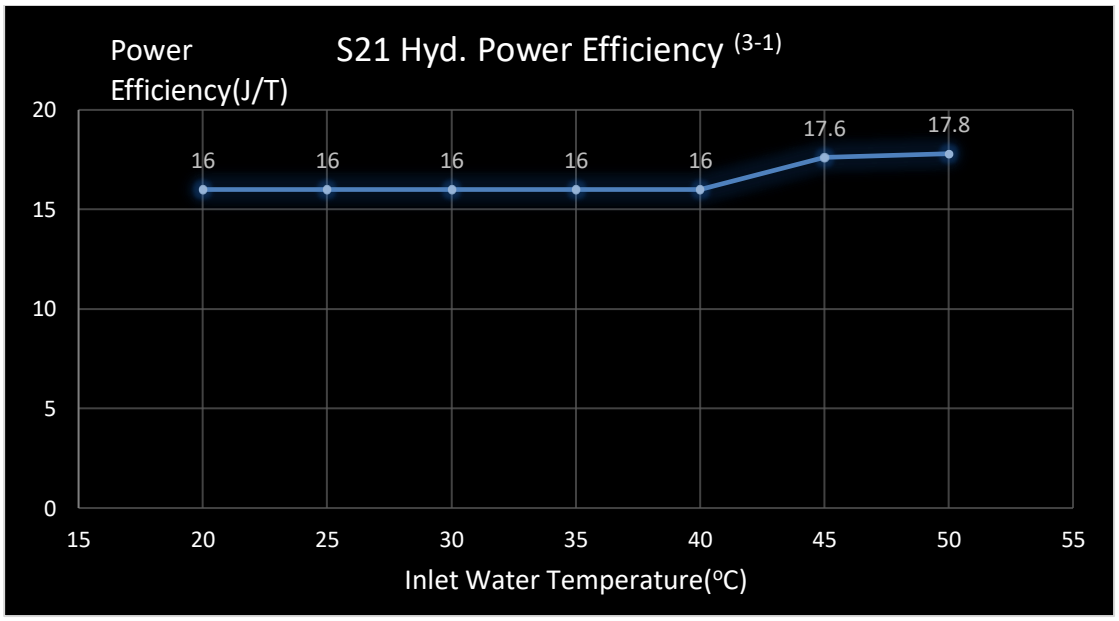
(2-4) If the water conductivity is ≥100 μs/cm, the fluid must be replaced. The water conductivity is less than 20 μs/cm when the system is running at the first time.

2. Performance Curve

(1) Hashrate vs. Inlet Water Temperature



(2) Power Efficiency vs. Inlet Water 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%.