



# **S21 Hyd.**

## **Product Manual**

**Sep. 2023**

# 1. Specification

Product Glance	Value
Model	<a href="#">S21 Hyd.</a>
Version	m0-10
Crypto algorithm/coins	SHA256 BTC/BCH
Typical Hashrate, TH/s <sup>(1-1)</sup>	335
Power on wall @35τ <sup>(1-2)</sup> , Watt <sup>(1-1)</sup>	5360
Power efficiency on wall@35τ <sup>(1-2)</sup> , J/TH <sup>(1-1)</sup>	16.0

Detailed Characteristics	Value	
<b>Power supply</b>		
Power supply AC input voltage, Volt <sup>(2-1)</sup>	380~415V AC	
Power supply AC Input Frequency Range, Hz	50~60	
Power supply AC Input current, Amp <sup>(2-2)</sup>	12	
<b>Hardware configuration</b>		
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, kg	13.6	
<b>Environment requirements</b>		
Inlet water temperature, °C	NEM <sup>(2-3)</sup>	35
	HEM1 <sup>(2-4)</sup>	45
	HEM2 <sup>(2-4)</sup>	50
Water flow, L/min	8.0~10.0	
Water pressure bar	≤3.5	
Working fluid <sup>(2-5)</sup>	Deionized water/Pure water	
Liquid PH	8.5~9.5	
Diameter of water pipe connector, mm	DN10	
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 ±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, 10 A per wire.

(2-3) NEM: Normal Energy Mode. If the inlet water temperature is lower than 20 °C, the miner cannot be started.

(2-4) HEM: High Energy Mode.

(2-5) 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. Working Mode

Working Mode	NEM	HEM1	HEM2
Inlet water temperature, °C <sup>(3-1)</sup>	35	45	50
Hashrate, TH/s	335	335	335
Power on wall, Watt	5360	5890	5960
Power efficiency on wall, J/TH	16.0	17.6	17.8

### Notes:

(3-1) 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.