



# **S21 Imm.**

## **Product Manual**

**Jul. 2024**

**BITMAIN**

BITMAIN TECHNOLOGIES INC.

[www.bitmain.com](http://www.bitmain.com)

# 1. Specification

Product Glance	Value	
Model	<b>S21 Imm.</b>	
Version	<b>10</b>	
Crypto algorithm/coins	<b>SHA256 BTC/BCH/BSV</b>	
Working mode <sup>(1-1)</sup>	<b>NEM</b>	<b>HEM</b>
Typical hashrate, <b>TH/s</b> <sup>(1-2)</sup>	<b>239</b>	<b>301</b>
Power on wall @30°C <sup>(1-3)</sup> , <b>Watt</b> <sup>(1-2)</sup>	<b>3824</b>	<b>5569</b>
Power efficiency on wall @30°C, <b>J/TH</b> <sup>(1-2)</sup>	<b>16.0</b>	<b>18.5</b>

Detailed Characteristics	Value
<b>Power supply</b>	
Phase	<b>3</b>
Input voltage range, <b>Volt</b> <sup>(2-1)</sup>	<b>380~415</b>
Input frequency range, <b>Hz</b>	<b>50~60</b>
Input max current, <b>Amp</b>	<b>12</b>
<b>Hardware configuration</b>	
Networking connection mode	<b>RJ45 Ethernet 10/100M</b>
Server size (Length*Width*Height, w/o package), <b>mm</b>	<b>293*236*364</b> <sup>(2-2)</sup>
Server size (Length*Width*Height, with package), <b>mm</b>	<b>570*316*430</b>
Net weight, <b>kg</b>	<b>17.15</b>
Gross weight, <b>kg</b>	<b>20.45</b>
<b>Environment requirements</b>	
Inlet oil temperature, °C	<b>30~55</b>
Oil flow, <b>m<sup>3</sup>/h</b>	<b>1</b>
Storage temperature, °C	<b>-20~70</b>

## Notes:

(1-1) NEM: Normal Energy Mode; HEM: High Energy Mode.

(1-2) The Hashrate value, Power on wall, and Power efficiency on wall are all typical value. The actual Hashrate value fluctuates by  $\pm 3\%$ , and the actual Power on wall and Power efficiency on wall fluctuate by  $\pm 5\%$ .

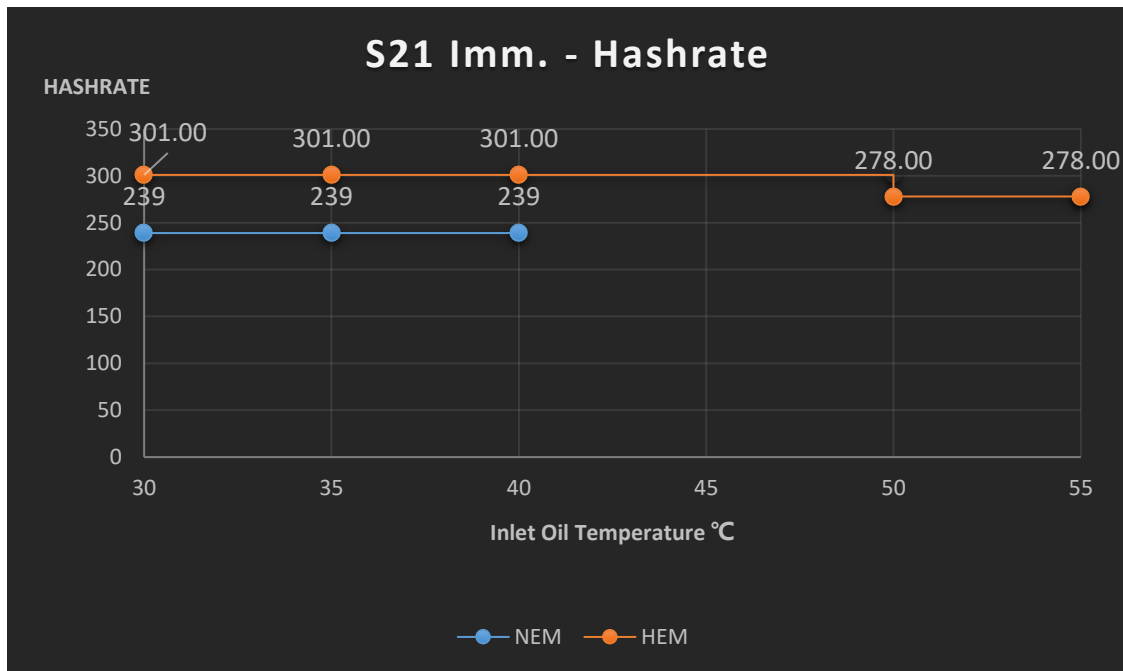
(1-3) Inlet oil temperature.

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

(2-2) The height includes a 44mm handle.

## 2. Performance Curve

### (1) Hashrate vs. Inlet Oil Temperature



### (2) J/T vs. Inlet Oil Temperature

