



# S23 Hyd.

## Product Manual

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**BITMAIN**

BITMAIN TECHNOLOGIES INC.

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

## 1. Specification

Product Glance	Value
Model	<b>S23 Hyd.</b>
Version	<b>580T-10</b>
Crypto algorithm/coins	<b>SHA256 BTC/BCH/BSV</b>
Typical hashrate, <b>TH/s<sup>(1-1)</sup></b>	<b>580</b>
Power on wall @35°C <sup>(1-2)</sup> , <b>Watt<sup>(1-1)</sup></b>	<b>5510</b>
Power efficiency on wall@35°C <sup>(1-2)</sup> , <b>J/T<sup>(1-1)</sup></b>	<b>9.5</b>

Detailed Characteristics	Value
<b>Power supply</b>	
Phase	<b>3</b>
Input voltage, <b>Volt<sup>(2-1)</sup></b>	<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>	
Network connection mode	<b>RJ45 Ethernet 10/100M</b>
Server size (length*width*height, w/o package), <b>mm</b>	<b>410*170*209</b>
Server size (length*width*height, with package), <b>mm</b>	<b>570*316*430</b>
Net weight, <b>kg</b>	<b>13.0</b>
Gross weight, <b>kg</b>	<b>14.8</b>
<b>Environment requirements</b>	
Inlet coolant temperature, <b>°C</b>	<b>20~50</b>
Coolant flow, <b>L/min</b>	<b>8.0~10.0</b>
Coolant pressure, <b>bar</b>	<b>≤3.5</b>
Working Coolant <sup>(2-2)</sup>	<b>Antifreeze/ Pure water/ Deionized water</b> <b>Antifreeze: 7.0~9.0</b> <b>Pure water: 6.5~7.5</b> <b>Deionized water: 8.5~9.5</b>
Coolant pH value	
Diameter of Coolant pipe connector, <b>mm</b>	<b>OD10</b>
Storage temperature, <b>°C</b>	<b>-20~70</b>
Operation humidity(non-condensing), <b>RH</b>	<b>10~90%</b>

### 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  $\pm 5\%$ .

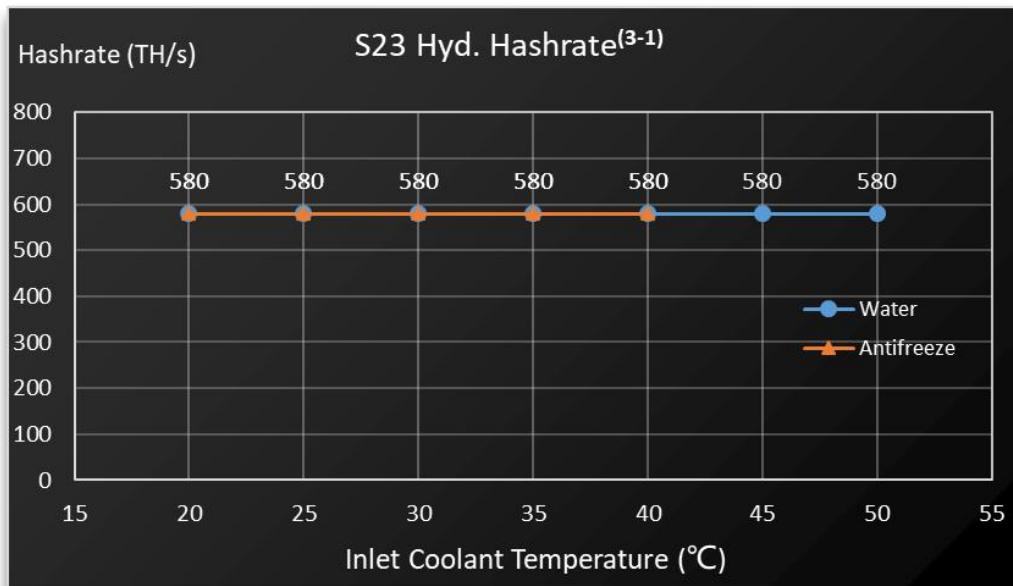
(1-2) Inlet coolant temperature.

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

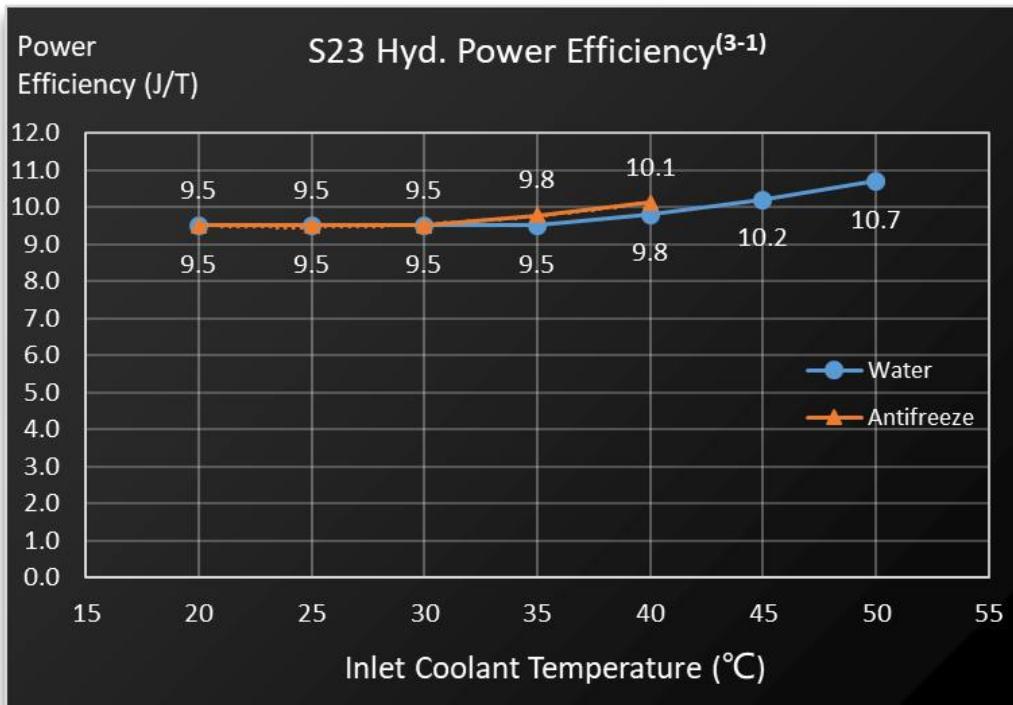
(2-2) For detailed working coolant use and maintenance instructions, please refer to "**ANTSPACE HK3 Water Cooling Container & Dry-Wet Tower Product Manual**", Chapter 9, Article 3, Point 6, "Maintenance of Coolant"!

## 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  $\pm 5\%$ .