ANTMINER

S21 Imm.

Product Manual

Mar. 2025

BITMAIN

1. Specification

Product Glance	Value			
Model	**S21 Imm.**			
Version	**10**			
Crypto algorithm/coins	**SHA256|BTC/BCH/BSV**			
Typical hashrate, **TH/s**[1-1]	**239**[1-3]**/301**[1-4]	**227/301**	**220/301**	**215/301**
Power on wall @30℃[1-2], **Watt**[1-1]	**3824**[1-3]**/5569**[1-4]	**3632/5569**	**3520/5569**	**3440/5569**
Power efficiency on wall @30℃, **J/TH**[1-1]	**16.0**[1-3]**/18.5**[1-4]			

Detailed Characteristics	Value
Power supply	
Phase	**3**
Input voltage range, **Volt**[2-1]	**380~415**
Input frequency range, **Hz**	**50~60**
Input max current, **Amp**	**12**
Hardware Configuration	
Networking connection mode	**RJ45 Ethernet 10/100M**
Server size (Length*Width*Height, w/o package), **mm**	**293*236*364**[2-2]
Server size (Length*Width*Height, with package), **mm**	**600*390*450**
Net weight, **kg**	**17.15**
Gross weight, **kg**	**20.45**
Environment Requirements	
Inlet oil temperature, **℃**[2-3]	**30-55**
Oil flow, m^3/**h**[2-3]	**1.0**
Storage temperature, **℃**	**-20~70**

Notes:

(1-1)   The Hashrate value, Power on wall, and Power efficiency on wall are all typical value. The actual Hashrate value fluctuates by ±3%, and the actual Power on wall and Power efficiency on wall fluctuate by ±5%.
(1-2)   Inlet oil temperature.
(1-3)   The Hashrate value, Power on wall, and Power efficiency on wall in Normal Energy Mode (NEM)
(1-4)   The Hashrate value, Power on wall, and Power efficiency on wall in High Energy Mode (HEM)
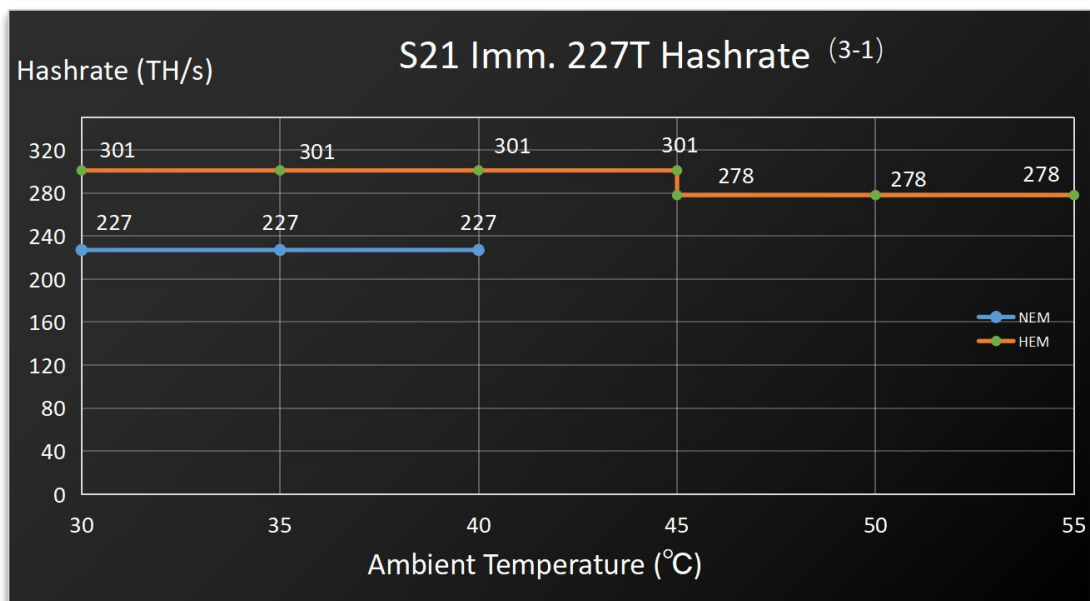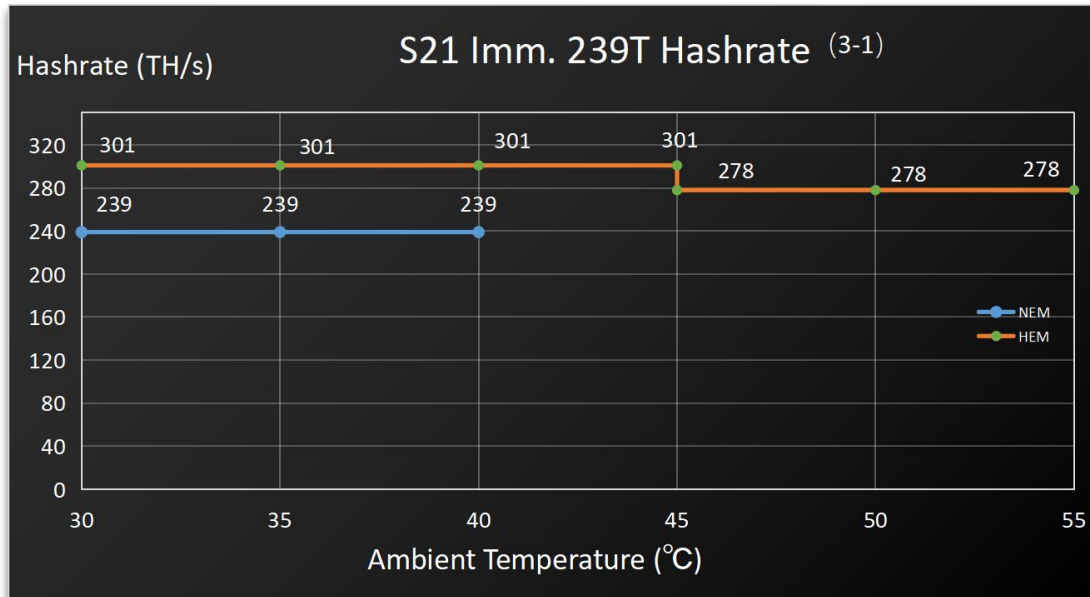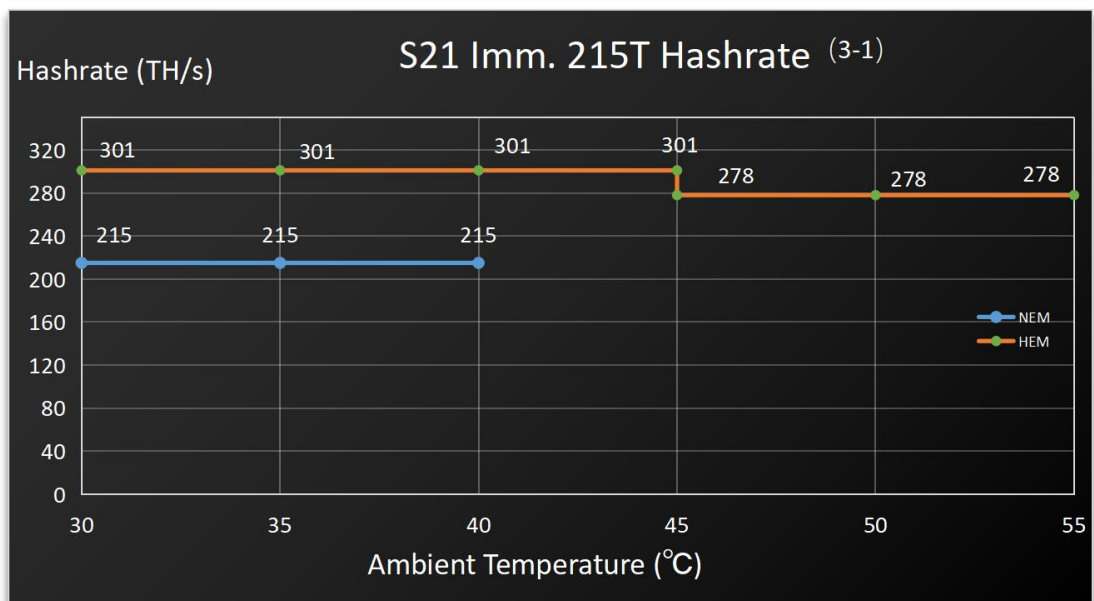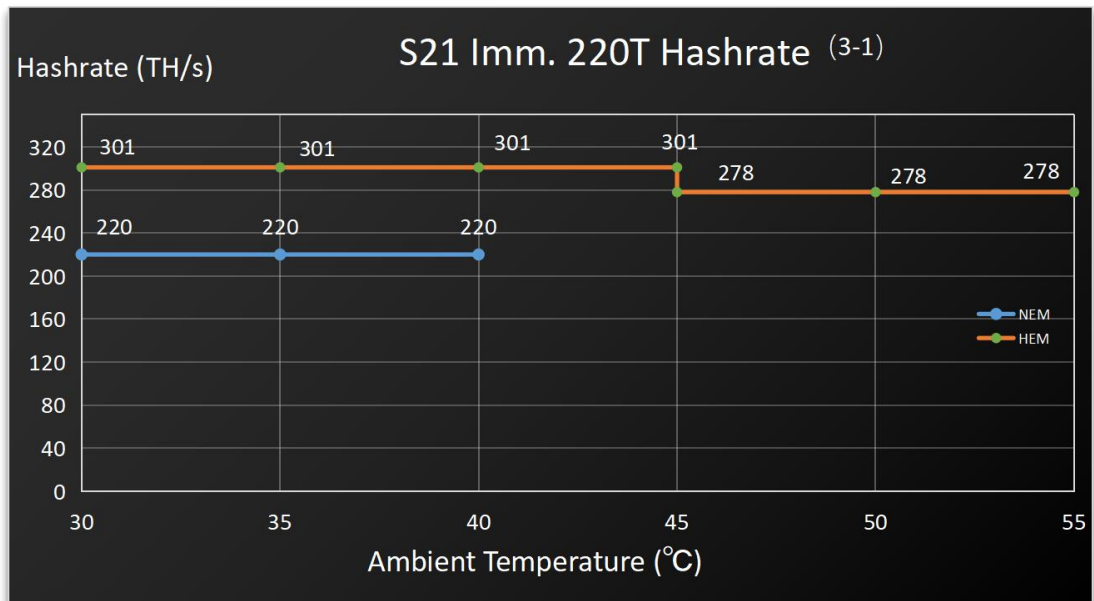(2-1)   Caution: Wrong input voltage may cause server damage.
(2-2)   The height includes a 44mm handle.
(2-3)   When the mining machine is operating, this parameter must be strictly met.
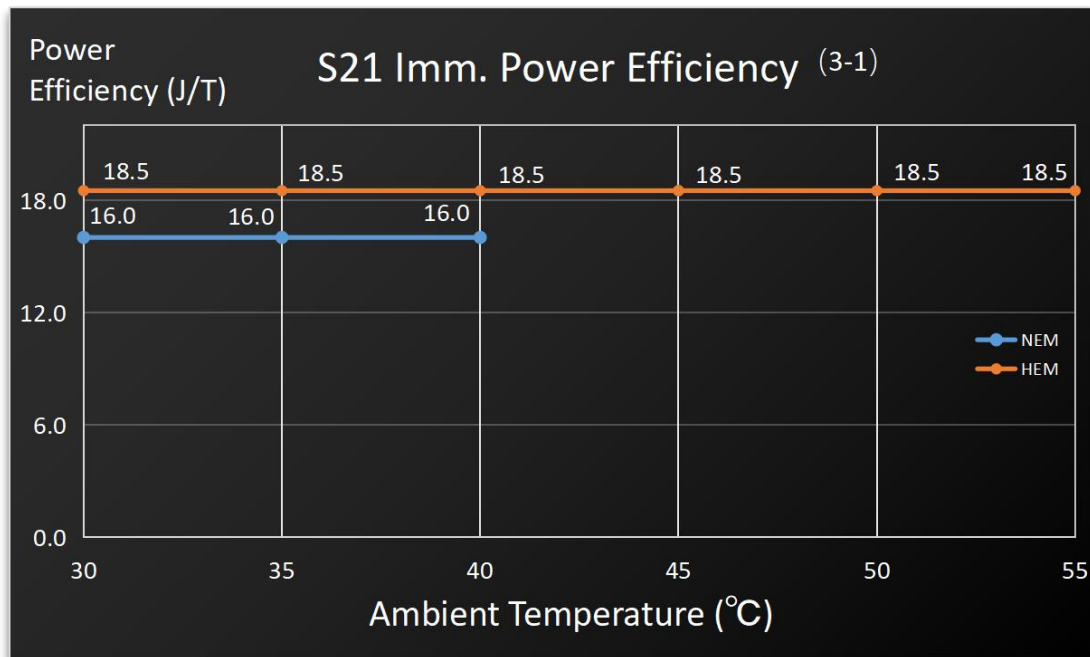
2. Performance Curves

(1) Hashrate vs. Ambient Temperature

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S21 Imm. 220T Hashrate (3-1)

S21 Imm. 215T Hashrate (3-1)

(2) J/T vs. Ambient Temperature

Notes:

(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%.