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BITMAIN S19k Pro 23W Bitcoin ASIC Miner Instructions

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Specification

Product Glance	Value			
Model	**S19k Pro**			
Version	**K1-10**			
Crypto algorithm/coins	**SHA256|BTC/BCH/BSV**			
Typical hashrate, **TH/s**(1-1)	**120**	**115**	**110**	**105**
Power on wall @25°C(1-2), **Watt**(1-1)	**2760**	**2645**	**2530**	**2415**
Power efficiency on wall @25°C, **J/TH**(1-1)	**23.0**			

Detailed Characteristics

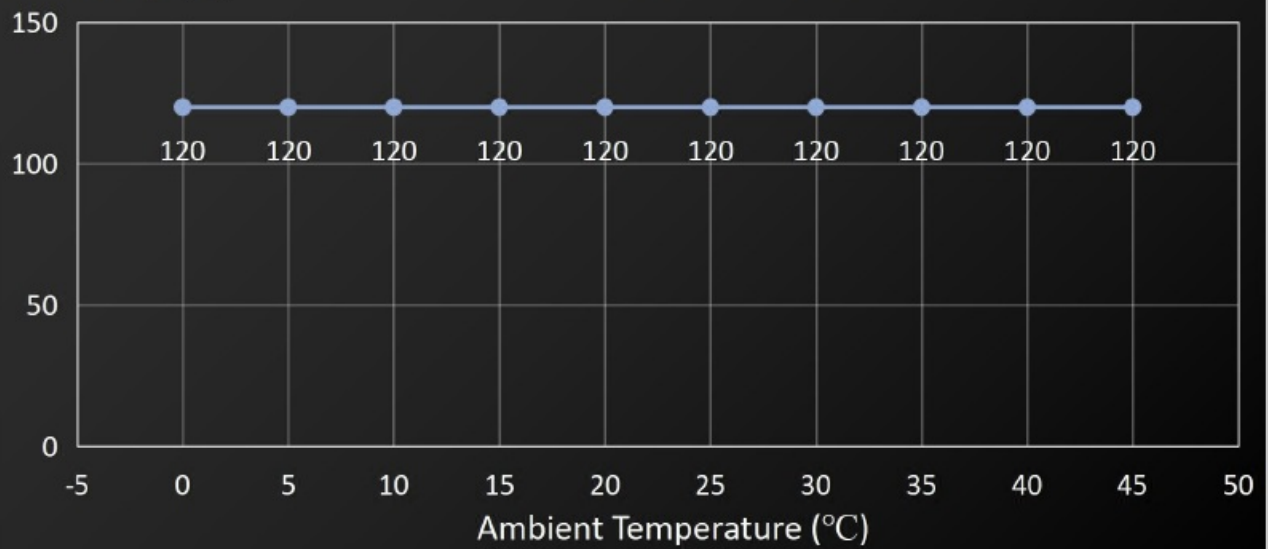| Detailed Characteristics	Value
Power supply	
Phase	**1**
Input voltage, **Volt**(2-1)	**200~240**
Input frequency range, **Hz**	**50~60**
Maximum input current, **Amp**	**20**
Hardware Configuration	
Network connection mode	**RJ45 Ethernet 10/100M**
Server size (Length*Width*Height, w/o package), **mm**	**400*195*290**
Server size (Length*Width*Height, with package), **mm**	**570*316*430**
Net weight, **kg**	**12.85**
Gross weight, **kg**	**14.5**
Noise @30°C, **dBA** (2-2)	**72**
Environment Requirements	
Operation temperature, **°C**	**0~45**
Storage temperature, **°C**	**-20~70**
Operation humidity, **RH**	**10%~90%(non-condensing)**
Operation altitude, **m**(2-3)	**≤2000**

Notes:

- 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%.
- Inlet air temperature.
- Caution: Wrong input voltage may probably cause server damaged.
- Max condition: Fan is under max RPM(rotation per minute).
- When the server is used at an altitude from 900m to 2000m, the highest operating temperature decreases by 1°C for every increase of 300m.
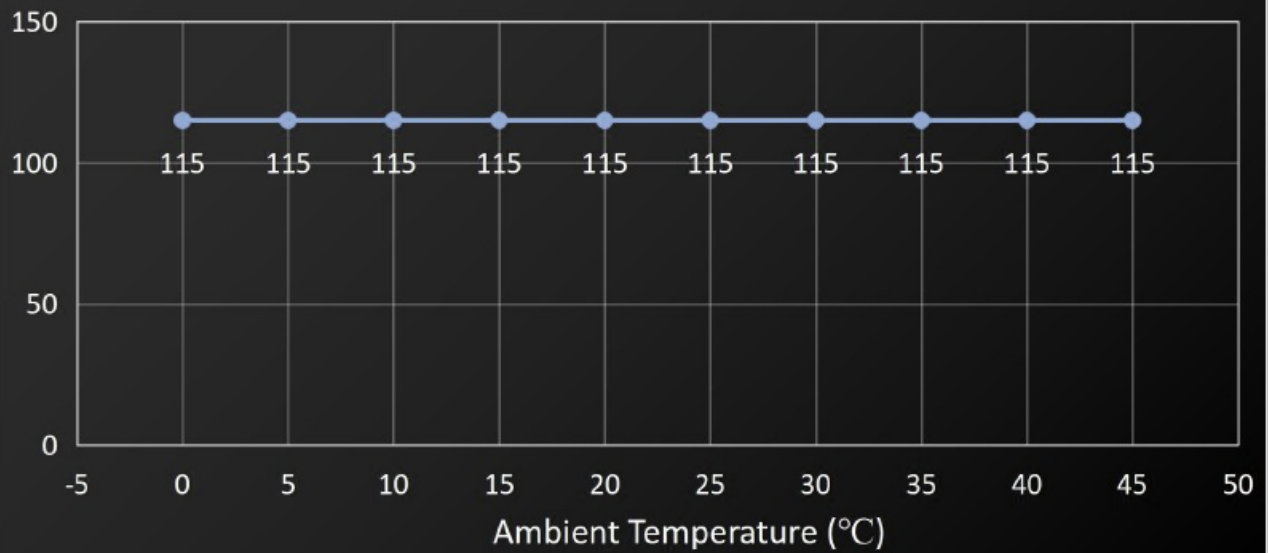
Performance Curves

1. Hashrate vs. Ambient Temperature

S19k Pro 120T Hashrate[3-1]

Hashrate (TH/s) vs Ambient Temperature (°C)
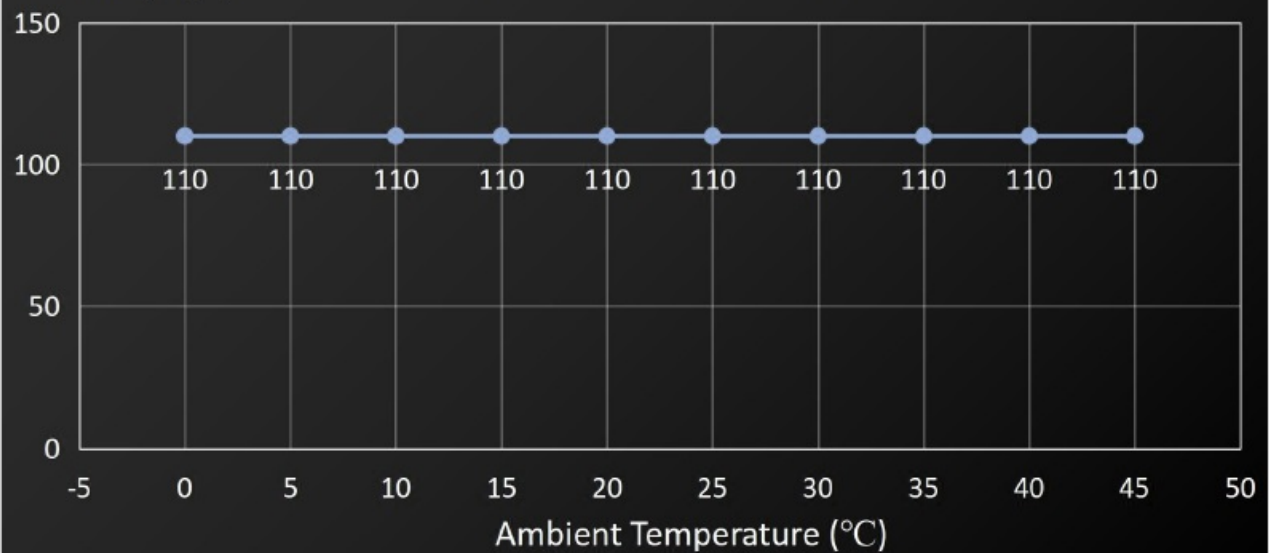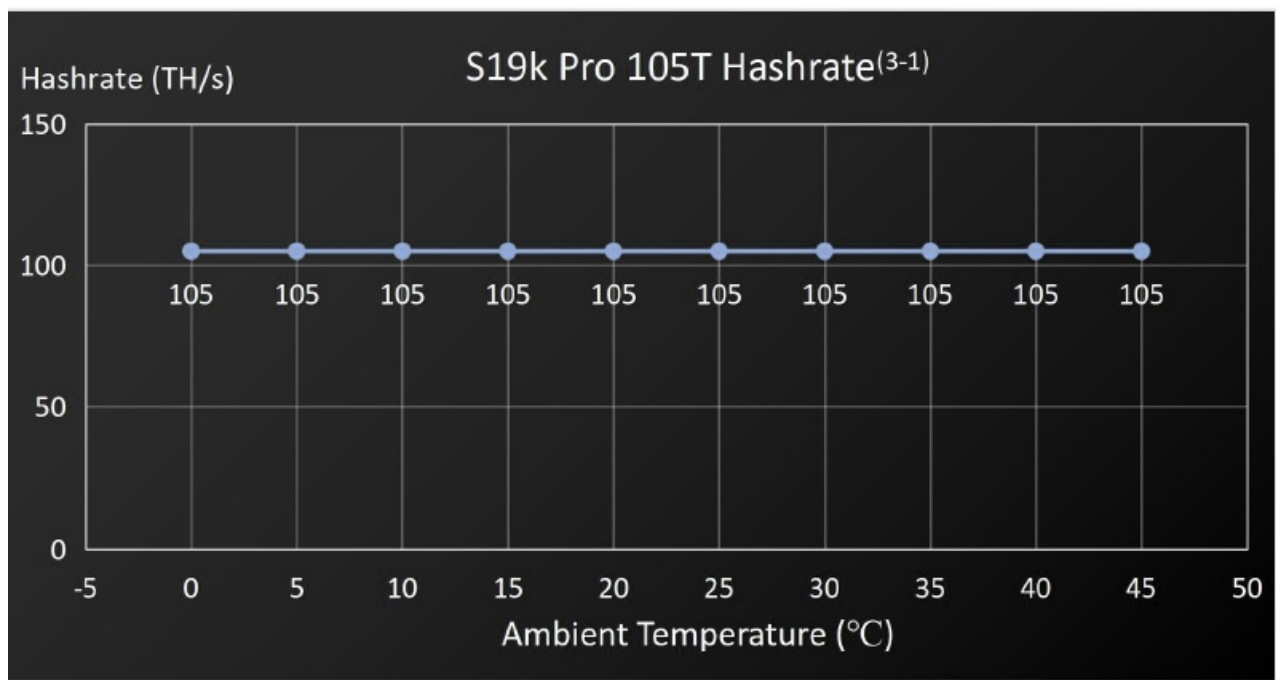
Ambient Temperature (°C)	0	5	10	15	20	25	30	35	40	45
Hashrate (TH/s)	120	120	120	120	120	120	120	120	120	120

S19k Pro 115T Hashrate[3-1]

Hashrate (TH/s) vs Ambient Temperature (°C)

Ambient Temperature (°C)	0	5	10	15	20	25	30	35	40	45
Hashrate (TH/s)	115	115	115	115	115	115	115	115	115	115

S19k Pro 110T Hashrate[3-1]

Hashrate (TH/s) vs Ambient Temperature (°C)

Ambient Temperature (°C)	0	5	10	15	20	25	30	35	40	45
Hashrate (TH/s)	110	110	110	110	110	110	110	110	110	110

S19k Pro 105T Hashrate(3-1)

2. J/T vs. Ambient Temperature

S19k Pro Power Efficiency(3-1)
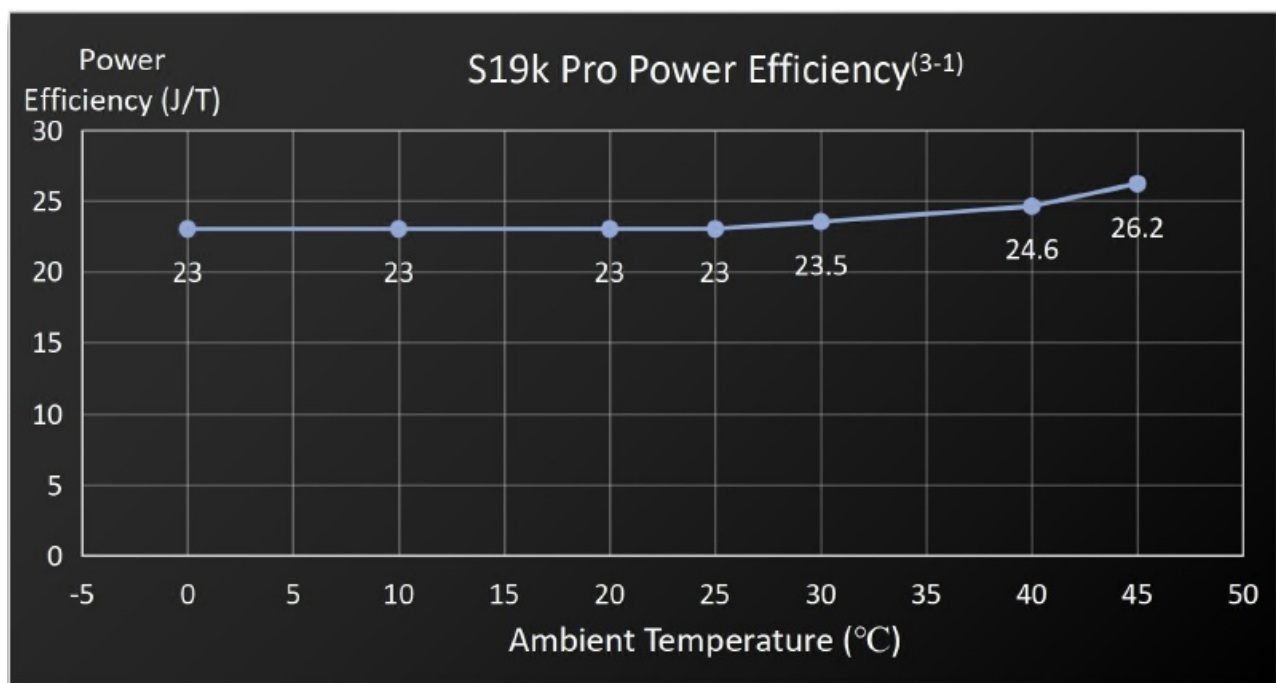
3. **Notes**:
   - The hashrate value, and power efficiency on wall are all typical values. The actual hashrate value fluctuates by ±3%, and the actual power efficiency on wall fluctuate by ±5%.

FAQs

- **Q: What is the typical hashrate of the S19k Pro?**
  - A: The typical hashrate of the S19k Pro is 115 TH/s.
- **Q: What is the noise level of the S19k Pro at 30 dBA?**
  - A: The noise level of the S19k Pro at 30 dBA is 72 dBA.
- **Q: What are the environmental requirements for operating the S19k Pro?**
  - A: The operation temperature should be between 0~45°C, storage temperature between -20~70°C, operation humidity between 10%~90% (non-condensing), and operation altitude up to 2000m.

Documents / Resources

ANTMINER **S19k Pro** Product Manual Feb. 2023 BITMAIN	**[BITMAIN S19k Pro 23W Bitcoin ASIC Miner](#)** [pdf] Instructions S19k Pro 23W Bitcoin ASIC Miner, S19k Pro, 23W Bitcoin ASIC Miner, Bitcoin ASIC Miner, ASIC Miner

References

- 𝄞 **[BITMAIN](#)**
- **[User Manual](#)**