ANTMINER

KS5

Product Datasheet

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BITMAIN

BITMAIN TECHNOLOGIES INC.

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1. Datasheet

Product Glance	Value	
Model	**KS5**	
Version	**KS1-20**	
Crypto algorithm | coins	**KHeavyHash | KAS**	
Sub	**Pro**	**Std**
Typical Hashrate, **TH/s**[1-1]	**21**	**20**
Power on wall @25℃, **W**[1-1]	**3,150**	**3,000**
Power efficiency on wall @25℃, **J/TH**[1-1]	**150**	

Detailed Characteristics	Value[2-1]		
	Min	**Typ**	**Max**
Power supply			
Power supply AC Input voltage range, **V**[2-2]	**220**	**230**	**277**
Power supply AC Input Frequency Range, **Hz**	**50**	**50**	**60**
Power supply AC Input current, **A**	**10.8**	**13.7**	**20**
Adapted AC Output power requirement, **W**	**3000**	**3150**	**4000**
Hardware configuration			
Network connection mode	**RJ45 Ethernet 10/100M**		
Server size (Length*Width*Height, w/o package), **mm**	**430*195.5*290**		
Server size (Length*Width*Height, with package), **mm**	**570*316*430**		
Net weight, **kg**	**15.8**		
Gross weight, **kg**	**17.7**		
Noise, **dBA** [2-3]	**45**	**60**	**75**
Environment requirements			
Operation temperature, **℃**	**-20**	**25**	**45**
Storage temperature, **℃**	**-40**	**25**	**70**
Operation humidity(non-condensing), **RH**	**10%**	**50%**	**90%**
Operation altitude, **m**[2-4]	**≤2,000**		

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 Power efficiency on wall fluctuate by ±5%.
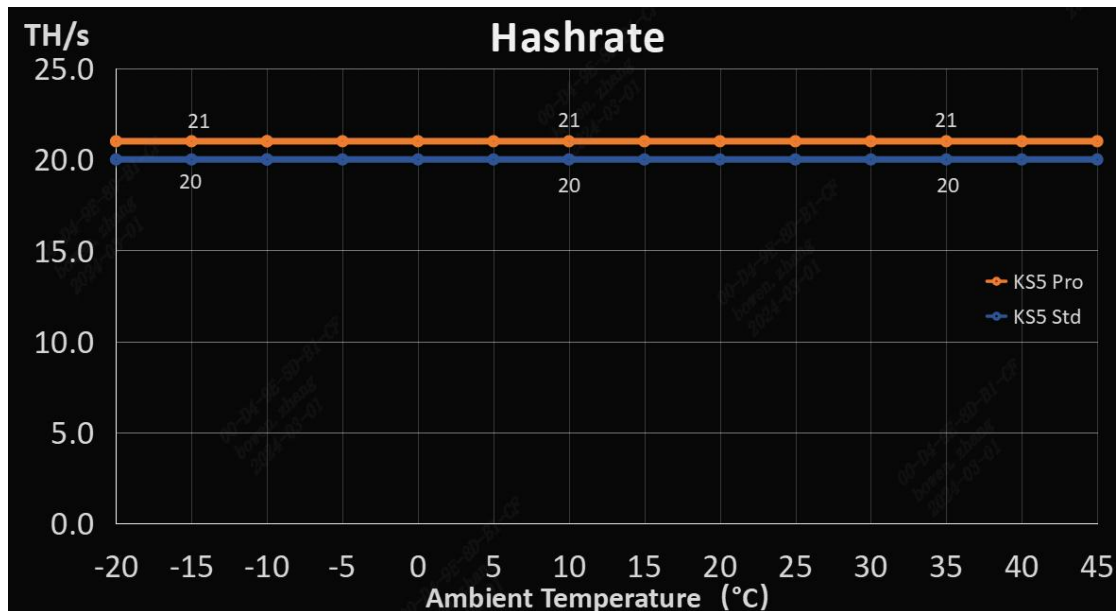(2-1) Same Min/Typ/Max vaules for Pro and Std.
(2-2) Caution: Wrong input voltage may cause server damaged.
(2-3) Max condition: Fan is under max RPM(rotation per minute).
(2-4) When the miner is used at an altitude from 900m to 2,000m, the highest operating temperature decreases by 1℃ for every increase of 300m.

2. Performance Curves

(1) Hashrate Vs. Ambient Temperature

(2) Power efficiency Vs. Ambient Temperature