



KS5

Product Datasheet

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BITMAIN

BITMAIN TECHNOLOGIES INC.

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°C, W ⁽¹⁻¹⁾	3,150	3,000
Power efficiency on wall @25°C, 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, °C	-20	25	45
Storage temperature, °C	-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 $\pm 3\%$, and the Power efficiency on wall fluctuate by $\pm 5\%$.

(2-1) Same Min/Typ/Max vaules for Pro and Std.

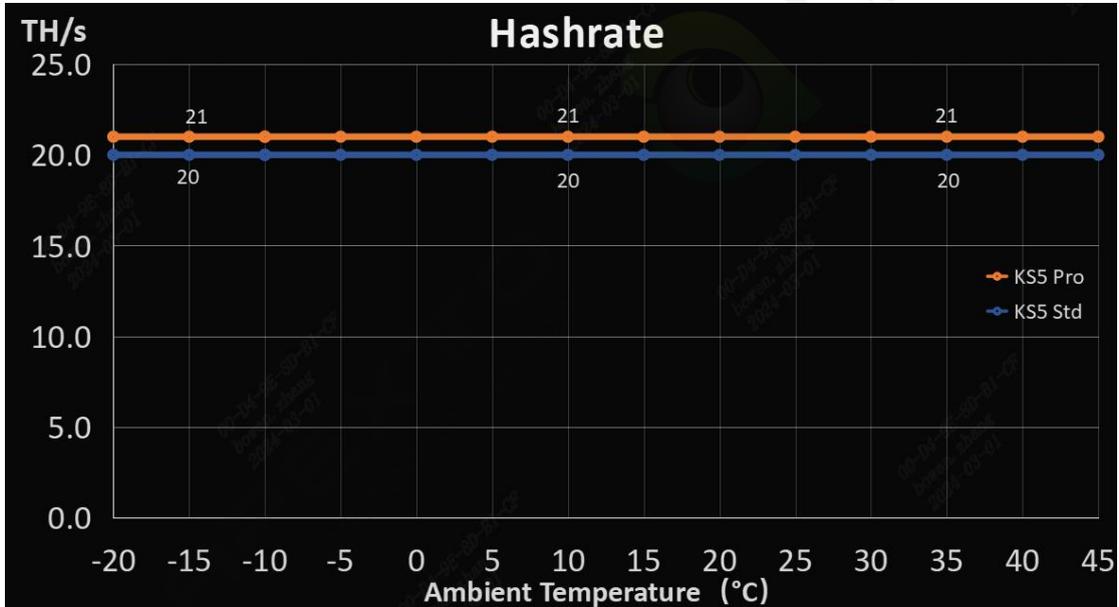
(2-2) Caution: Wrong input voltage may cause server damaged.

(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°C for every increase of 300m.

2. Performance Curves

(1) Hashrate Vs. Ambient Temperature



(2) Power efficiency Vs. Ambient Temperature

