

## Alpha Miner PSU-4KBT19 vs. APW12

		PSU-4KBT19	APW12*
OUTPUT 1	VDC	12V - 15V	12V - 15V
	Rated Current(220V input)	300A	233A
	Rated Peak Power (220V+ input)	4000W	3600W
	Rated Operational Power (220V+ input)	3600W	2900W**
	Ripple & Noise	<1%	<1%
	Source Regulation	<1%	<1%
	Load Regulation	<1%	<1%
	Setup, Rise Time	<2S	<2S
	Power off Protection Trip Time	>10mS	>10mS
OUTPUT 2	DC voltage	12.3	12.3
	Rated Current(220V input)	15A	15A
	Ripple & Noise	<1%	<1%
	Voltage Accuracy	12.2V - 12.4V	12.2V - 12.4V
	Source Regulation	<1%	<1%
	Load Regulation	<1%	<1%
	Setup, Rise Time	<2S	<2S
	Power off Protection Trip Time	>10mS	>10mS
AC INPUT	Input Current, VAC	200-280	200-240
	Frequency Range	47-63Hz	47-63Hz
	Power Factor (Full Load)	>0.99	>0.99
	Leakage Current (220V 50 Hz)	<1.5mA	<1.5mA
PROTECTIONS	Under Voltage Protection (UVP)	80-89 VAC	80-89 VAC
	Short Circuit Protection (SCP)	Yes	Yes
	Over Temperature Protection (OTP)	Yes	Yes
	Over Current Protection (OCP)	300A-320A	291A-320A
OPERATIONAL ENVIRONMENT	Operational Temperature Range	-20-45°C	-20-45°C
	Operating Humidity, RH (non-condensing)	20%-90%	20%-90%
	Altitude	< 2000 m	< 2000m
DIMENSIONS	Size, mm	255 * 252 * 63	255 * 252 * 63
	Net Weight, Kilo	3.8	3.6
OTHER	Forced Air Cooling	Yes	Yes
	Noise	65 dBA	45 dBA

\* Data from <https://support.bitmain.com/>

\*\* In Alpha Miner testing