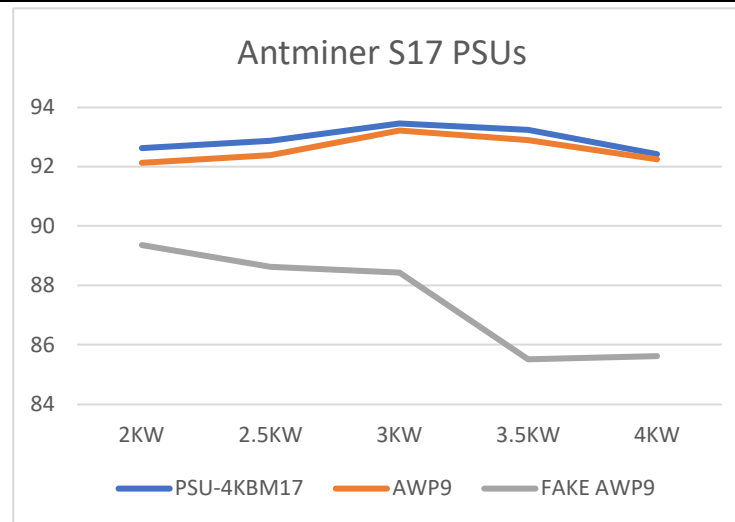


Antminer S17 and S19 PSU Efficiency Comparison

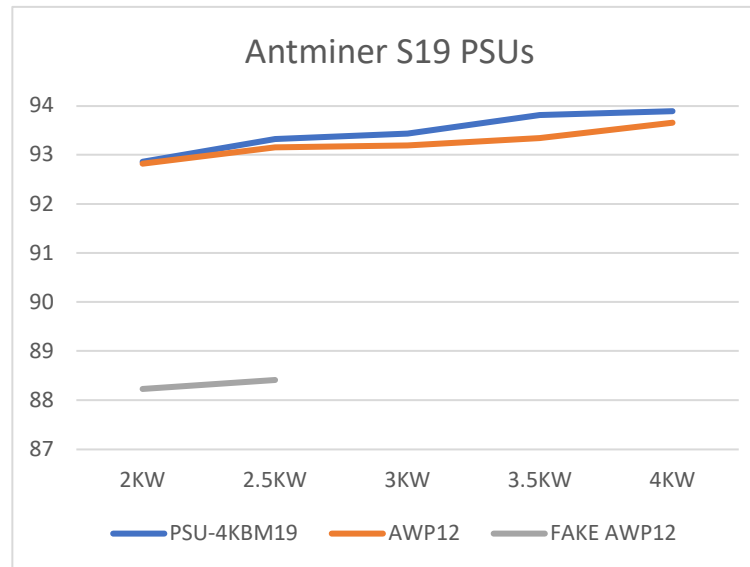
Model	AC in(V)	in(A)	PF	Power (W)	DC out (V)	Load (A)	LOAD%	Effective load(W)	PF
Alpha Miner PSU-4KBM17	230V	9.44	0.9987	2162.2	18.52	108.1	50%	2002.012	92.59%
		11.73	0.9991	2694.1	18.52	135.1	62.50%	2502.052	92.87%
		14.01	0.9993	3212.2	18.52	162.1	75%	3002.092	93.46%
		16.42	0.9997	3758.1	18.52	189.2	87%	3503.984	93.24%
		18.92	0.9997	4332.4	18.52	216.2	100%	4004.024	92.42%
Bitmain APW9	230V	9.54	0.9968	2174.2	18.53	108.1	50%	2003.093	92.13%
		11.88	0.9971	2709.9	18.53	135.1	62.50%	2503.403	92.38%
		14.16	0.9986	3222.2	18.53	162.1	75%	3003.713	93.22%
		16.65	0.9986	3774.2	18.53	189.2	87%	3505.876	92.89%
		19.06	0.9986	4343.2	18.53	216.2	100%	4006.186	92.24%
Fake APW9	230V	10.27	0.9742	2245.2	18.56	108.1	50%	2006.336	89.36%
		12.46	0.9766	2829.4	18.56	135.1	62.50%	2507.456	88.62%
		15.34	0.9775	3402.2	18.56	162.1	75%	3008.576	88.43%
		18.33	0.9782	4106.6	18.56	189.2	87%	3511.552	85.51%
		21.02	0.9783	4686.6	18.56	216.2	100%	4012.672	85.62%

	PSU-4KBM17	AWP9	FAKE AWP9
2KW	92.62	92.13	89.36
2.5KW	92.87	92.38	88.62
3KW	93.46	93.22	88.43
3.5KW	93.24	92.89	85.51
4KW	92.42	92.24	85.62



Model	AC in(V)	in(A)	PF	Power (W)	DC out (V)	Load (A)	LOAD%	Effective load(W)	PF
Alpha Miner PSU-4KBM19	230V	9.62	0.9987	2154.6	13.51	148.1	50%	2000.831	92.86%
		11.93	0.9992	2681.1	13.51	185.2	62.50%	2502.052	93.32%
		14.37	0.9998	3213.1	13.51	222.2	75%	3001.922	93.43%
		16.66	0.9998	3734.3	13.51	259.3	87%	3503.143	93.81%
		19.04	0.9998	4263.5	13.51	296.3	100%	4003.013	93.89%
Bitmain APW12	230V	9.74	0.9966	2157.2	13.52	148.1	50%	2002.312	92.82%
		11.98	0.9976	2688.1	13.52	185.2	62.50%	2503.904	93.15%
		14.51	0.9983	3223.7	13.52	222.2	75%	3004.144	93.19%
		16.68	0.9983	3755.8	13.52	259.3	87%	3505.736	93.34%
		19.07	0.9983	4277.2	13.52	296.3	100%	4005.976	93.66%
Fake APW12	230V	10.34	0.9733	2274.5	13.55	148.1	50%	2006.755	88.23%
		12.77	0.9742	2838.4	13.55	185.2	62.50%	2509.46	88.41%
		15.86	0.9777	3538.2	13.55	222.2	75%	3010.81	FAIL
						259.3	87%	FAIL	FAIL
						296.3	100%	FAIL	FAIL

	PSU-4KBM19	AWP12	FAKE AWP12
2KW	92.86	92.82	88.23
2.5KW	93.32	93.15	88.41
3KW	93.43	93.19	
3.5KW	93.81	93.34	
4KW	93.89	93.66	



Model	AC in(V)	in(A)	PF	Power (W)	DC out (V)	Load (A)	LOAD%	Effective load(W)	PF
Alpha Miner PSU-5KBM19	at 230V	5.406	0.9907	1215.6	14.95	66.6	20%	1074.59	88.40%
		12.12	0.9987	2783.9	14.93	166.6	50%	2577.05	92.57%
		18.96	0.9996	4377.1	14.76	266.3	80%	4036.12	92.21%
		23.72	0.9996	5450.1	14.64	333.3	100%	4995.56	91.66%
Alpha Miner PSU-5KBM19	at 277V	4.642	0.9912	1209.5	14.95	66.6	20%	1074.39	88.83%
		10.28	0.9987	2769.3	14.91	166.6	50%	2573.51	92.93%
		15.9	0.9996	4342.6	14.75	266.3	80%	4048.17	93.22%
		19.69	0.9996	5396.34	14.6	333.3	100%	4994.81	92.56%