Titanium Power Test Report of Wentai T1616 ATX Power

80 PLUS Titanium Certification

Cybenetics AC115V Titanium Certification

WENTAI

Titanium Efficiency

80 PLUS Titanium certified.
Industry's highest power efficiency up to 94%

Quiet

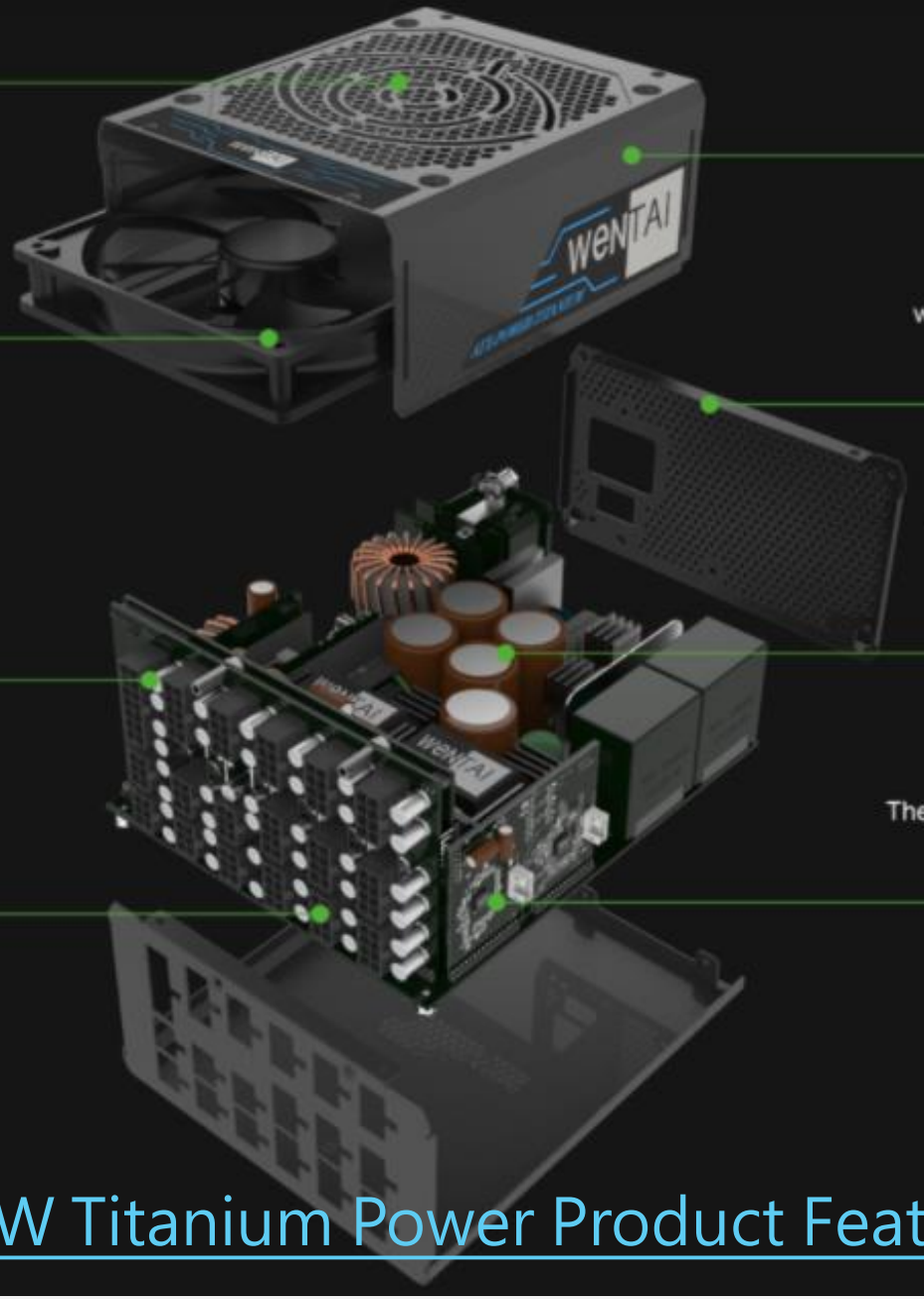
Low noise fan system

Protections

OVP, OPP, UVP, OTP, SCP, OCP
(12V advance 4-channel design)

Fully Modular

Good cable management.
Improve airflow to lower temperature.



Green

RoHS lead-free materials, comply with EuP and Energy Star Standard.

Safety

Meet cTUVus, TUV, CB, CE CCC, FCC, BSMI compliance.

Ultra Stable

Apply 100% Japanese capacitor.
The most reliability & higher efficiency.

Real Digital

Digital PFC / Digital LLC.
AI Power Control.

80 PLUS TITANIUM

CYBENETICS TITANIUM

1616W Titanium Power Product Features

80 Plus Titanium Certification –Wentai 1616W ATX PSU

80 PLUS Verification and Testing Report

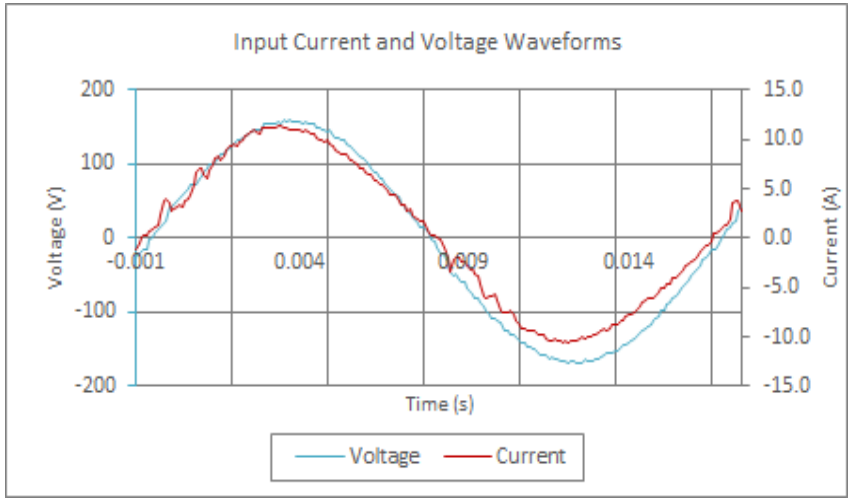
TYPICAL EFFICIENCY (50% Load) :	**94.93%**
AVERAGE EFFICIENCY :	**94.19%**
80 PLUS COMPLIANT :	**YES**

Among 80 PLUS Titanium powers in the market, Wentai T1616 Power with
* The highest wattage of 1616W
* The highest efficiency of 94.93% (115VAC) under typical loads
* The highest average efficiency performance of 94.19%

ID Number	**5420**
Manufacturer	**Wentai Technology corporation**
Model Number	**Aidan-T1616**
Serial Number	**N/A**
Year	**2018**
Type	**ATX12V**
Test Date	**11/9/18**

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	16-7	Amps
Input Frequency	47-63	Hz
Rated Output Power	**1616**	**Watts**

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD=6.39%, 50% Load)

I_{RMS}	PF	I_{THD}	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb		
1.56	0.97	11.46%	10%	173.96	12/12.59	11.45/0.03	3.3/1.12	5.07/1.12	5.07/0.28	162.21	93.25%
3.00	0.99	7.62%	20%	341.40	12/25.2	11.5/0.06	3.3/2.25	5.07/2.24	5.06/0.56	324.82	95.14%
7.45	1.00	6.39%	50%	853.40	11.99/62.96	11.72/0.14	3.31/5.61	5.07/5.56	5.05/1.4	810.16	94.93%
15.19	1.00	5.10%	100%	1743.00	11.96/125.55	12.13/0.28	3.3/11.24	5.07/11.12	5.04/2.8	1612.17	92.49%

Comparison of 1500W above AC115 80 PLUS Titanium Certified Power

Manufacturer	Model Number	Form Factor	Wattage	10%	20%	50%	100%	Rating	Date Certified
ASUS	ROG-THOR-1600T-GAMING	**ATX12V**	**1600**	**92.92**	**95.16**	**95.33**	**93.42**	**Titanium**	**2021/9/7**
Wentai Technology	Aidan-T1616	**ATX12V**	**1616**	**93.25**	**95.14**	**94.93**	**92.49**	**Titanium**	**2018/11/9**
Sea Sonic	SSR-1600TR	ATX12V	1600	91.95	94.39	94.31	91.82	Titanium	2021/2/18
Be Quiet	P12-PRO-1500W	ATX12V	1500	92.47	94.41	94	90.26	Titanium	2020/9/15
Corsair	RPS0036 (CP-9020087) (AX1600i)	ATX12V	1600	92.53	94.59	94.63	92.47	Titanium	2018/1/3
EVGA	SuperNOVA 1600 T2	ATX12V	1600	91.64	93.9	94.38	91.99	Titanium	2014/6/4
Super Flower	SF-1600F14HT	ATX12V	1600	91.64	93.9	94.38	91.99	Titanium	2014/6/4
Thermaltake	TPG-1500D-T TPG-1500DH5FET TOUGHPOWER	ATX12V	1500	92.44	94.67	94.66	92.04	Titanium	2016/8/23
CoolerMaster	MPZ-F001-AFBAT	ATX12V	1500	93.13	94.82	94.47	91.52	Titanium	2016/8/17
SilverStone Technology Inc.	SST-ST1500-TI	ATX12V	1500	92.58	94.58	94.25	91.26	Titanium	2017/11/15
Corsair	75-001971 (CP-9020057) (AX1500i)	ATX12V	1500	91.23	92.63	94.04	91.34	Titanium	2014/2/17

Cybenetics AC115V Titanium Certification-Wentai 1616W ATX PSU

Wentai Aidan T1616 Get Cybenetics AC115V Titanium Certification

Cybenetics

EFFICIENCY AND NOISE LEVEL CERTIFICATIONS

Anex

Wentai Aidan 1616W

Lab ID#: WT20161004
Receipt Date: Jan 2, 2020
Test Date: Jan 23, 2020

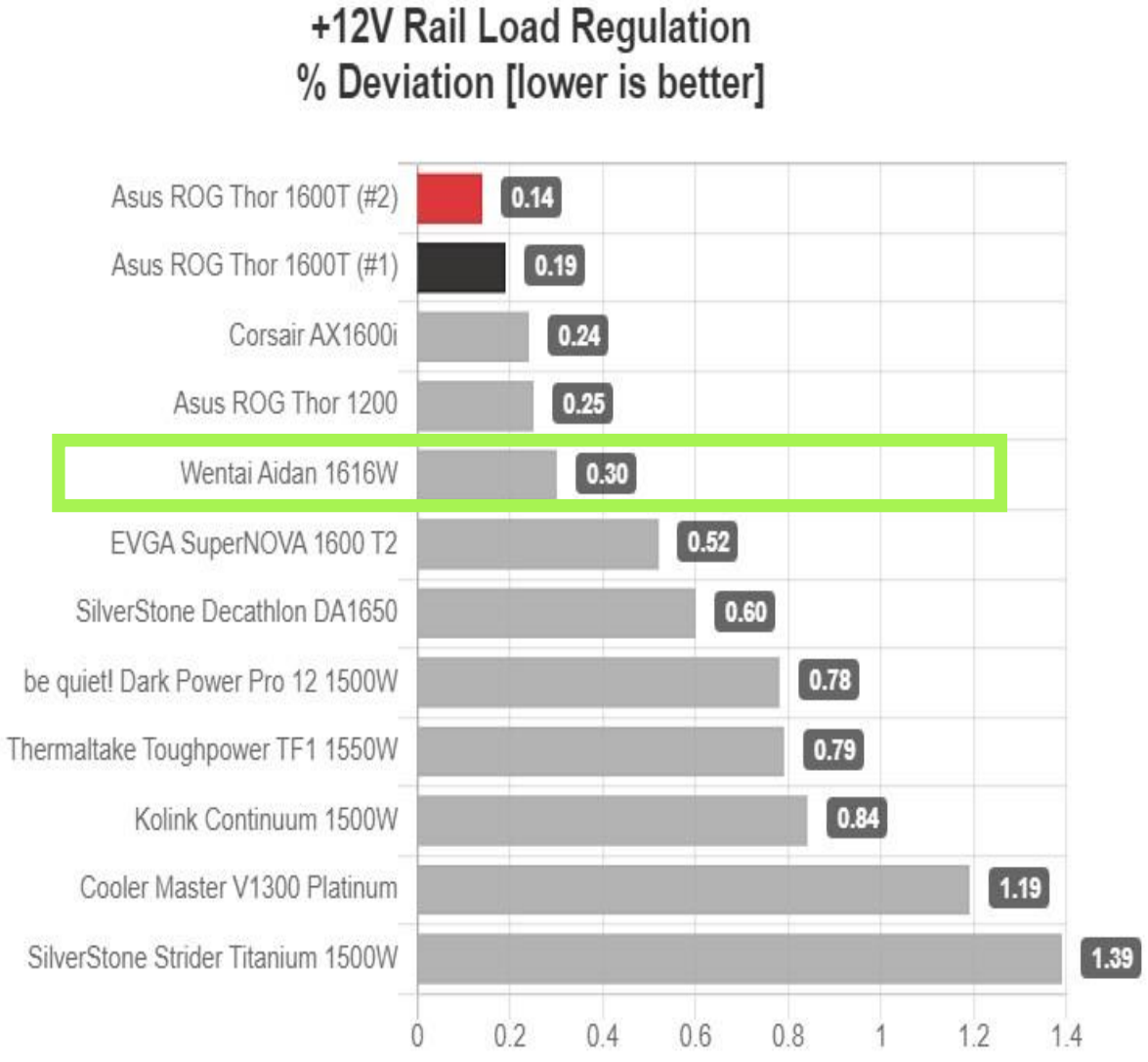
Report: 20PS1581A
Report Date: Jan 29, 2020

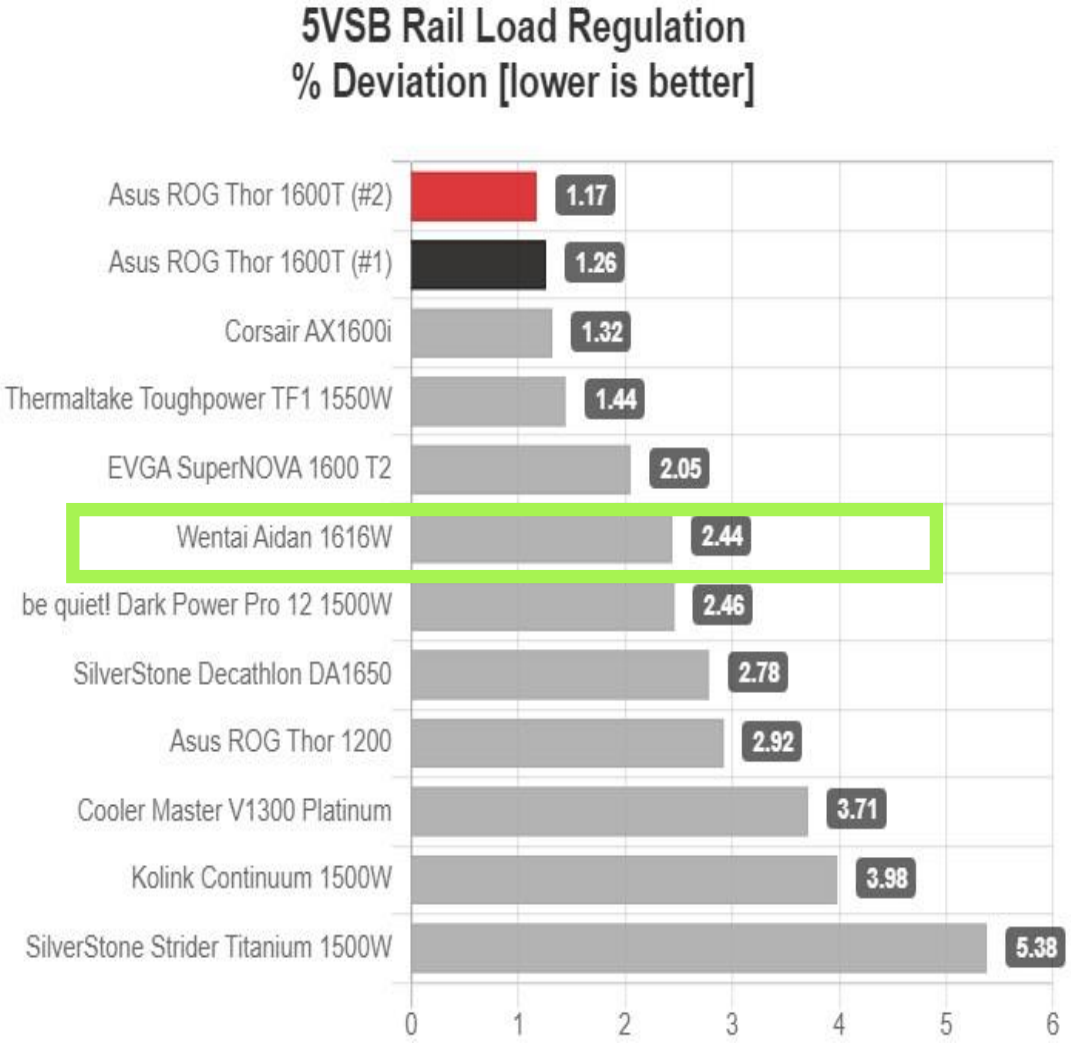
DUT INFORMATION	
Brand	Wentai
Manufacturer (OEM)	Wentai Technology
Series	Aidan
Model Number	T1616
Serial Number	
DUT Notes	

DUT SPECIFICATIONS	
Rated Voltage (Vrms)	100-240
Rated Current (Arms)	16
Rated Frequency (Hz)	50-60
Rated Power (W)	1616
Type	ATX12V
Cooling	140mm Double Ball-Bearing Fan (AGE14025B12U)
Semi-Passive Operation	✓
Cable Design	Fully Modular

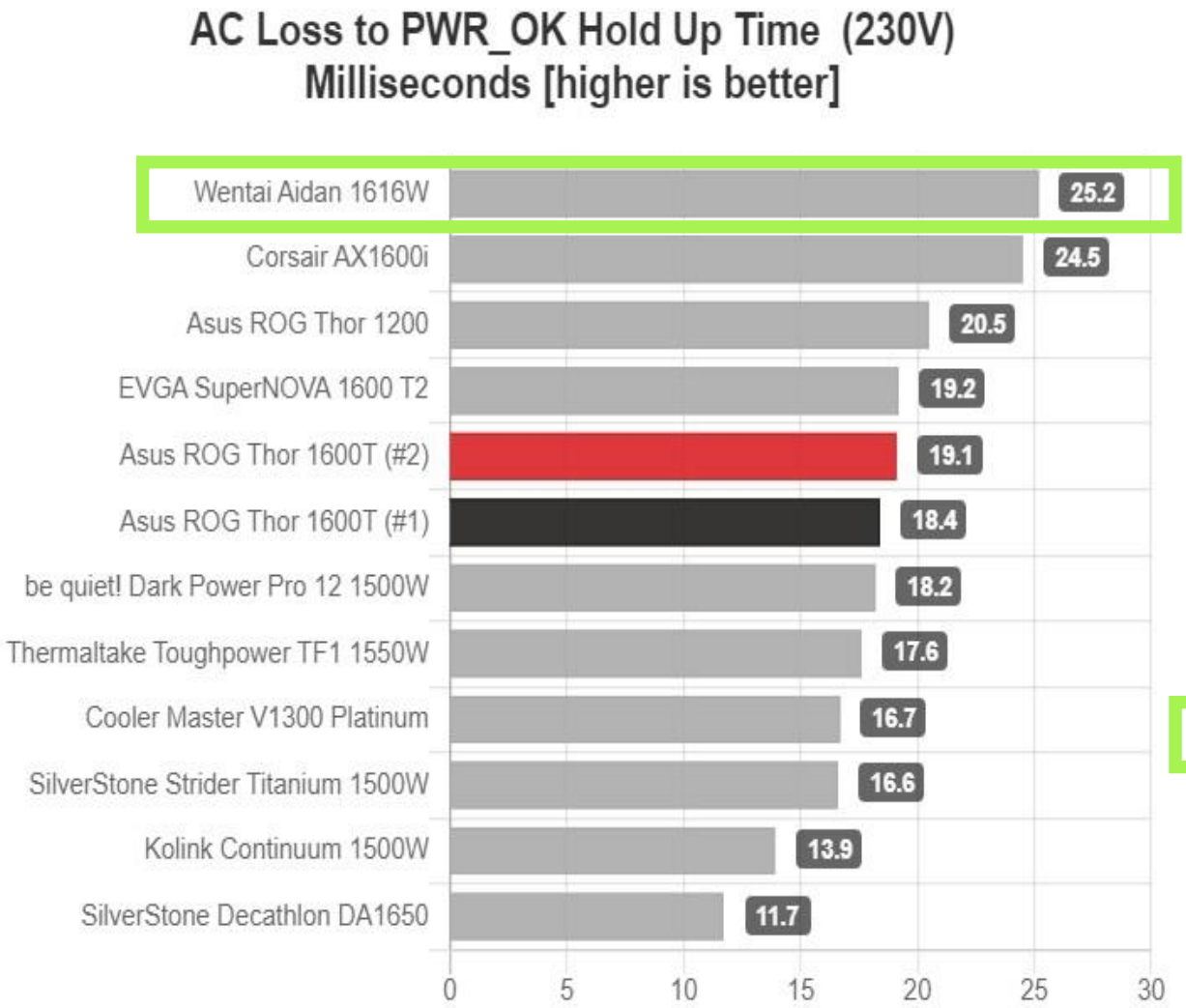
CYBENETICS
TITANIUM

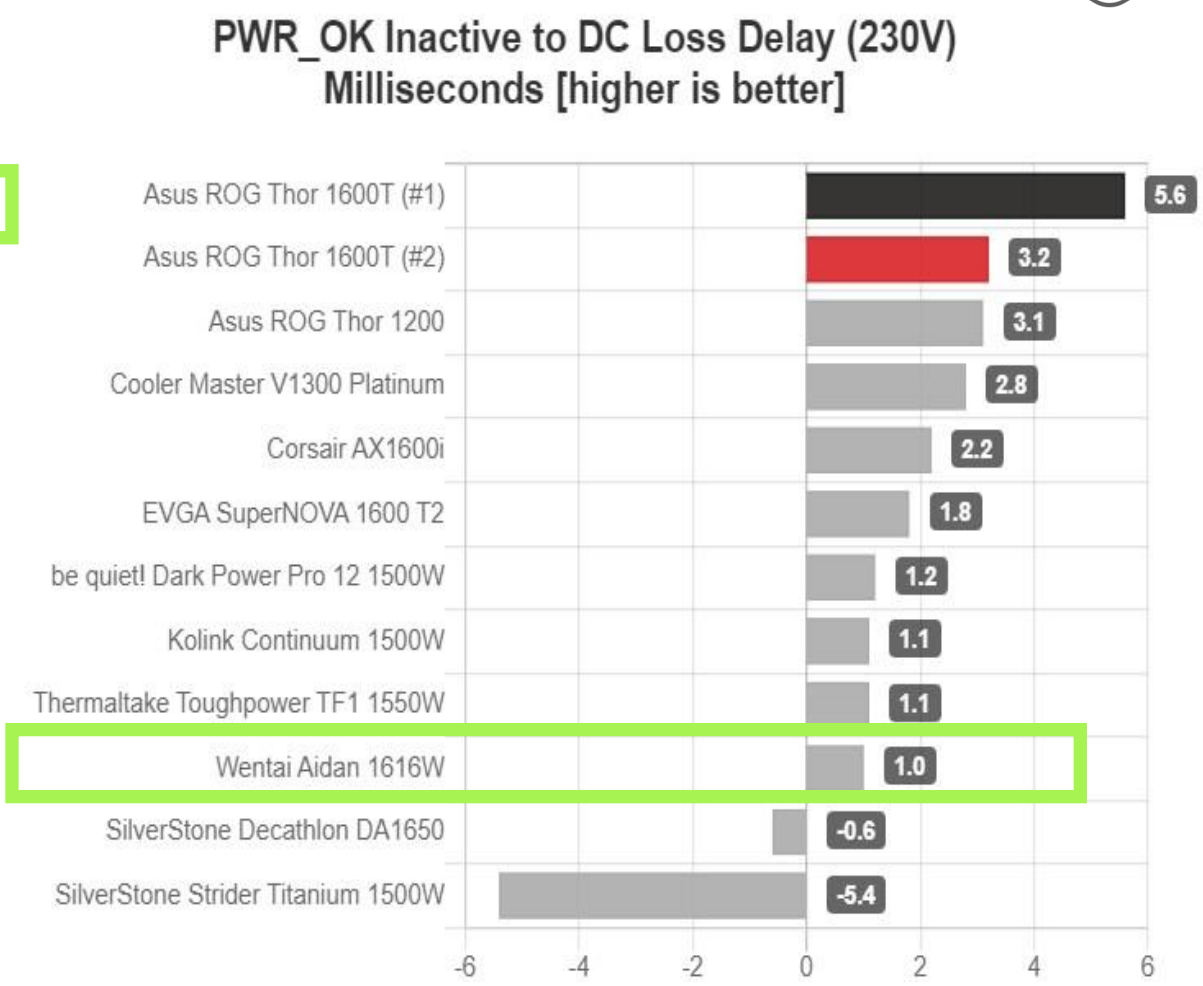
Cybenetics Reports~1



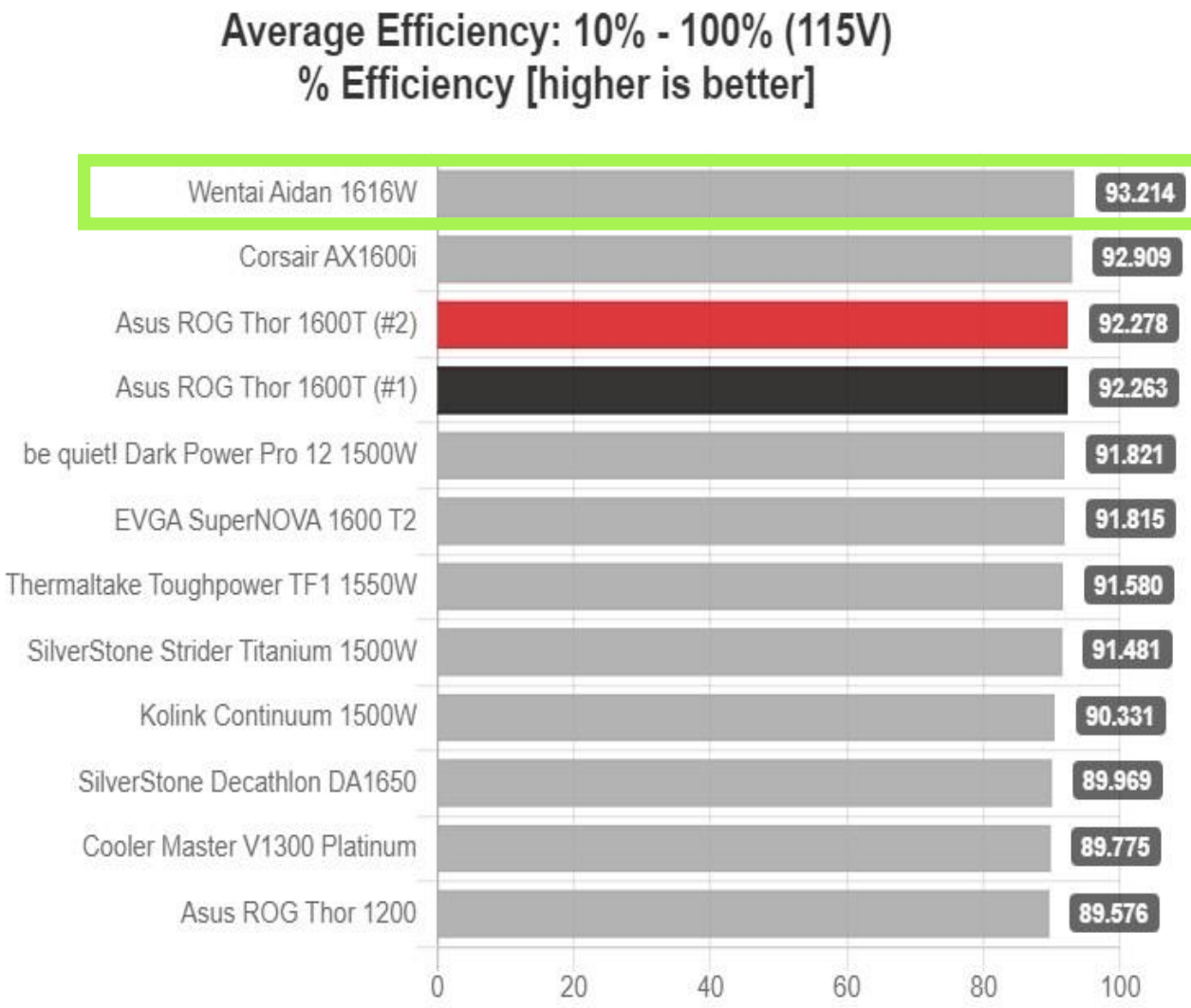


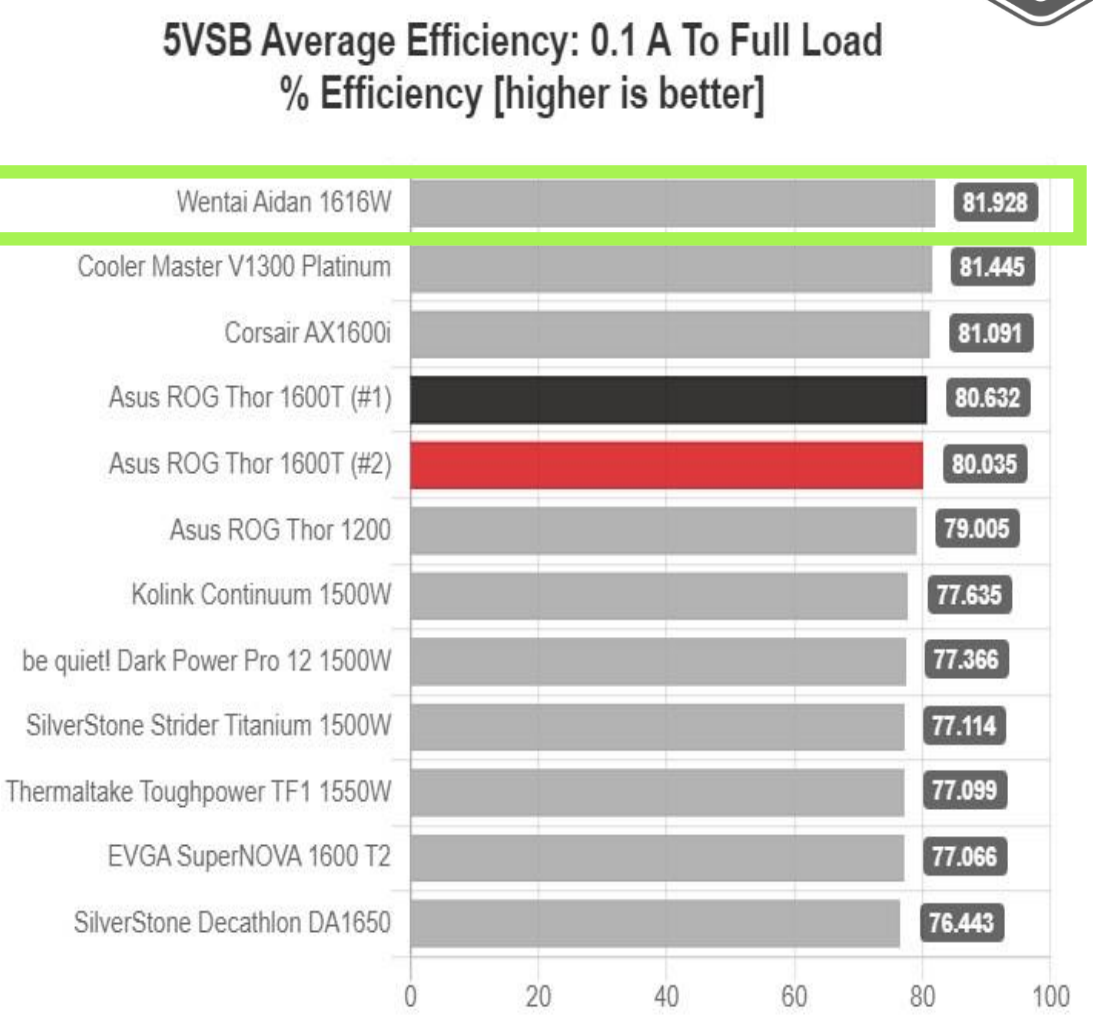
Cybenetics Reports~2





Cybenetics Reports~3





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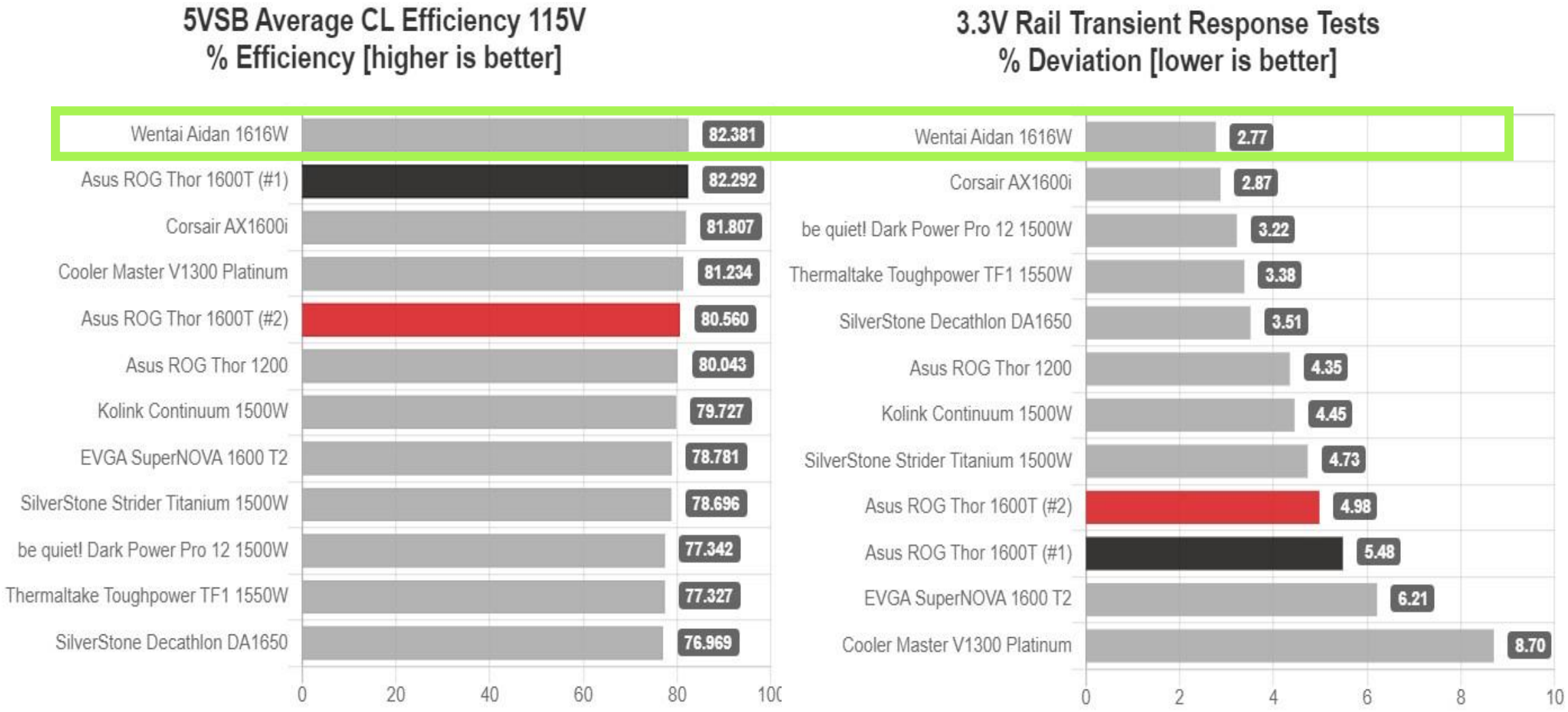
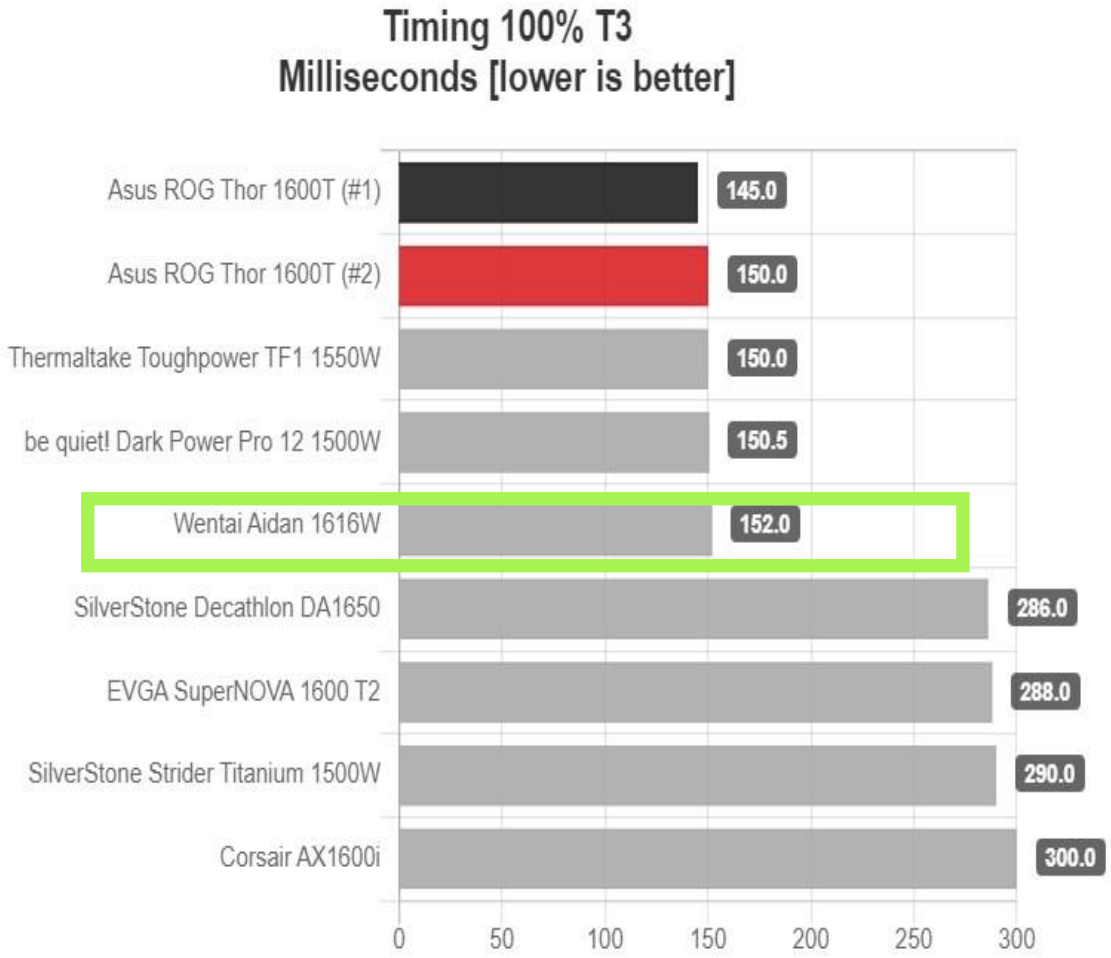
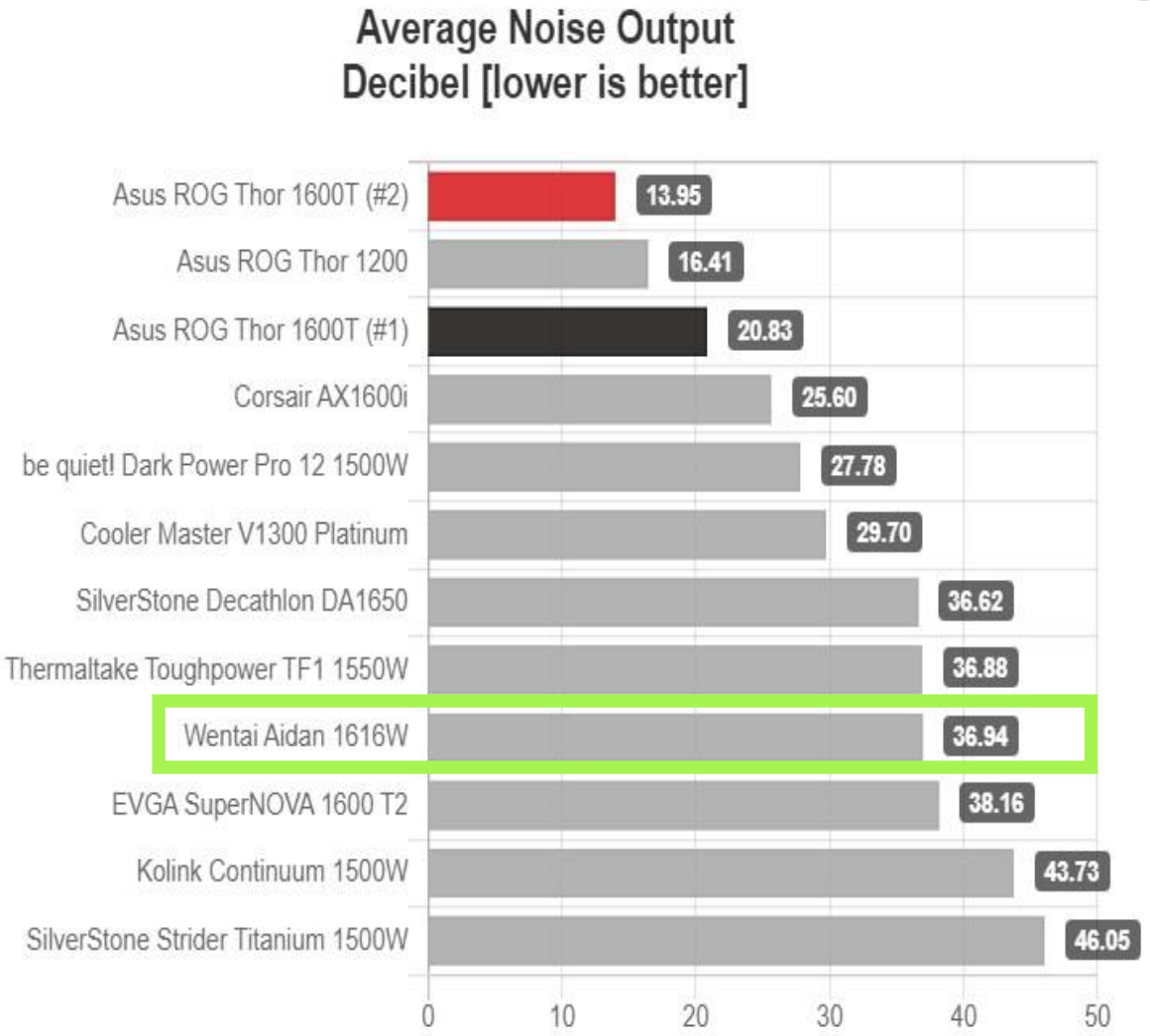
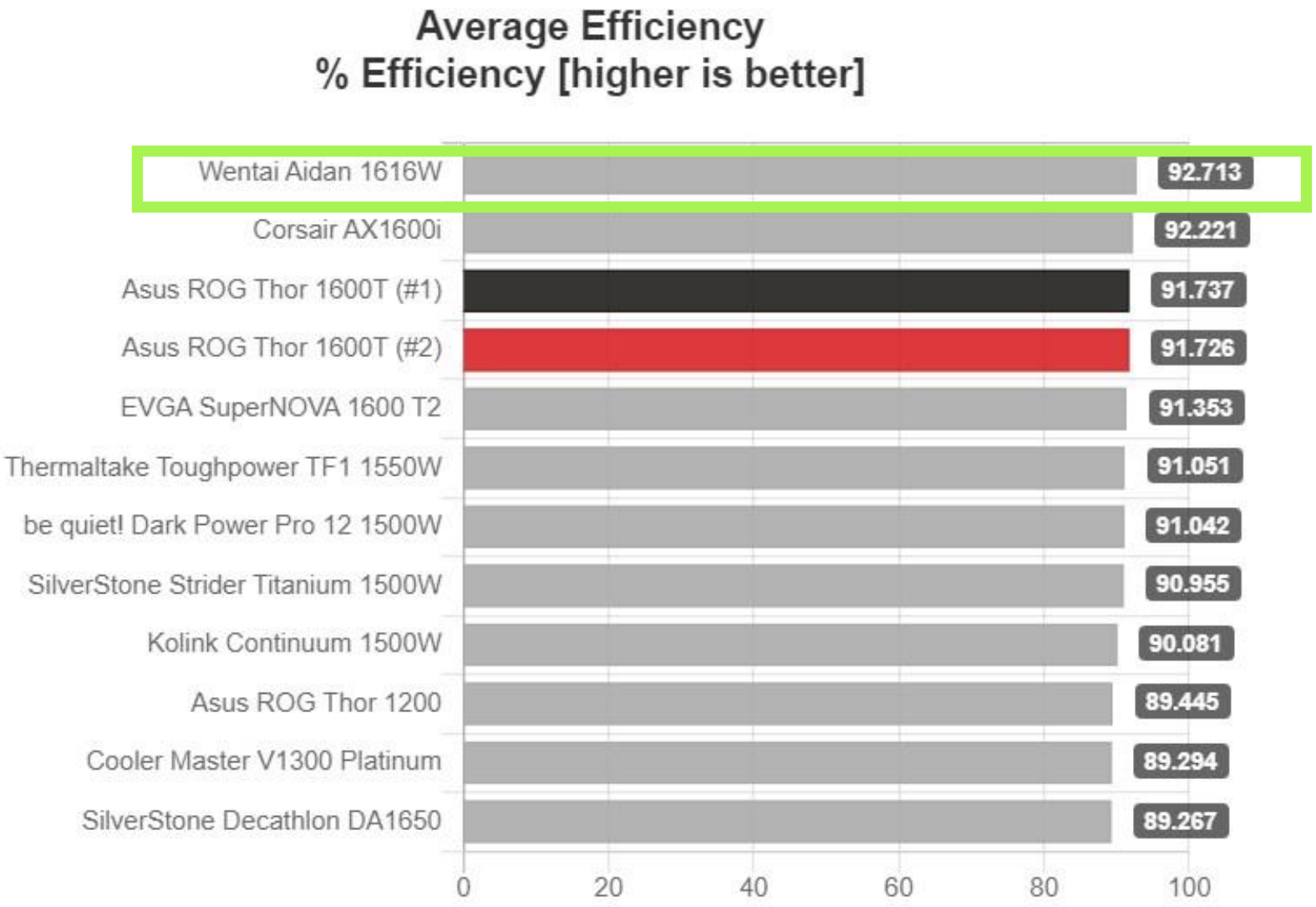


Cybenetics Reports~5





Cybenetics Reports~6



Why Choose Us

Meet needs of gaming pro-player /Crypto Mining

Stable support for running Graphics Card in a stand-alone power:
4 x RTX3080 TI or 3 x RTX3090
9 x RTX3060 TI or 2 x RTX3090 TI

STABLE QUALITY

Professional and rich experience

Engaged in most top branded Titanium and Platinum power design projects in the past

EXPERIENCED RD TEAM

HIGH POWER EFFICIENCY

Serve 24 hours without fearing power loss

Stable power efficiency outperforms paralleling of small wattage power supplies

MODULAR DESIGN

No messy wires

Modular design of internal parts, no messy wires, neat and compact interior.

UNIQUE & SMALL DESIGN

AI controller design is flexible to adjust Spec

- AI controller design technology can flexibly adjust specifications. The intelligent design is flexible and not easy to be copied
- 1616W power with small size under W150 X L183 mm.

Thank You

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