Great Wall®

Great Wall CRPS2000C3

Serial Number 2Q030042096

Lab ID GW20003316

Certification ID 263316

Test Result Report ID: 26PS3316A

Certificate Issue Date: Oct 30, 2026

115V 230V

Scheme: ETA-EMI PSU

Aristeidis Bitziopoulos, Certification Body General Manager

General Information

Test Equipment

Electronic Loads	Chroma 63601-5 x2 Chroma 63600-2 Chroma 63640-80-80 x10 Chroma 63610-80-20
AC Sources	Chroma 6530, APM SP300VAC4000W-P, GW Instek ASR-3500
Power Analyzers	Rohde & Schwarz HMC8015 & NPA701
Oscilloscopes	Picoscope 4444, Siglent SDS2104X PLUS
Sound Analyzer	Bruel & Kjaer 2270 G4
Microphone	Bruel & Kjaer Type 4955-A
Temperature Logger	Picoscope TC-08
Tachometer	UNI-T UT372
Multimeters	Keysight 34465A
EMI Analyzer	TekBox TBMR-110M-EU
Isolation Transformer	4kVA
UPS	FSP Champ Tower 3kVA, CyberPower OLS3000E 3kVA
Testing Methodology	Cybenetics PSU Test Protocol

DUT Information(Non-accredited measurements)

Product Identification Details	
Brand	Great Wall
Model	CRPS2000C3
OEM/ODM	Great Wall
Serial Number	2Q030042096
Product Specifications	
Manufacturer-Provided Information	
Rated Voltage (Vrms)	100-127 / 200-240
Rated Current (Arms)	10
Rated Frequency (Hz)	50-60

Rated Power (W)	2000
Operating Temperature (Continuous Full Load) (°C)	0 ~ 55
Type	1U
Cable Design	Card edge connector (no cables)
Warranty	No info
Cybenetics Measurements	
Dimensions (W x H x D)	73.5 x 40 x 185 mm
Weight	0.95 kg (2.09 lb)
Cooling	40 mm fan
Semi-Passive Operation	✗
Cybenetics Testing Information	
Lab ID	GW20003316
Date of receipt	May 12, 2026
Testing Date	Oct 22, 2026
Report Issued Date	Oct 30, 2026
Engineer Name	Efstathios Papadopoulos
Authorized By the Laboratory Technical Manager	Aristeidis Bitziopoulos
Signature	

Cables and Connectors(Non-accredited measurements)

Cables And Connectors	
Connector	Card Edge Connector (golden finger)
Captive Cables	None
Modular Cables	None

Power Specifications

Rail		**3.3V**	**5V**	**12V**	**12VSB**
Max. Power	**Amps**	N/A	N/A	164	3
	Watts	N/A		2000	36
Total Max. Power (W)		2000			

Test Results

Temperature & Compliance Info

Temperature Range (°C /°F)	28-32 / 82.4-89.6
Conducted Emissions EN 55032 & CISPR 32	Passed

Performance Summary 230V

Accredited	
Average Efficiency (>1450 load combinations)	93.337%
Average PF (>1450 Load Combinations)	0.987
Efficiency With 10W (≤500W) or 2% (>500W) Load	78.919%
Standby Power Consumption	3.5033W
Non-Accredited	
12V Ripple (Full Load)	114.10mV
12VSB Ripple (Full Load)	56.13mV
12V Load Regulation	3.76%
12VSB Load Regulation	3.35%
Hold-Up Time & PWR_OK Signal	15.70ms
AC Loss to PWR_OK Hold Up Time	14.30ms
PWR_OK Inactive to DC Loss Delay	1.40ms

Hold-Up Time & PWR_OK Signal

Hold-Up Time (ms)	15.7
AC Loss to PWR_OK Hold Up Time (ms)	14.3
PWR_OK Inactive to DC Loss Delay (ms)	1.4

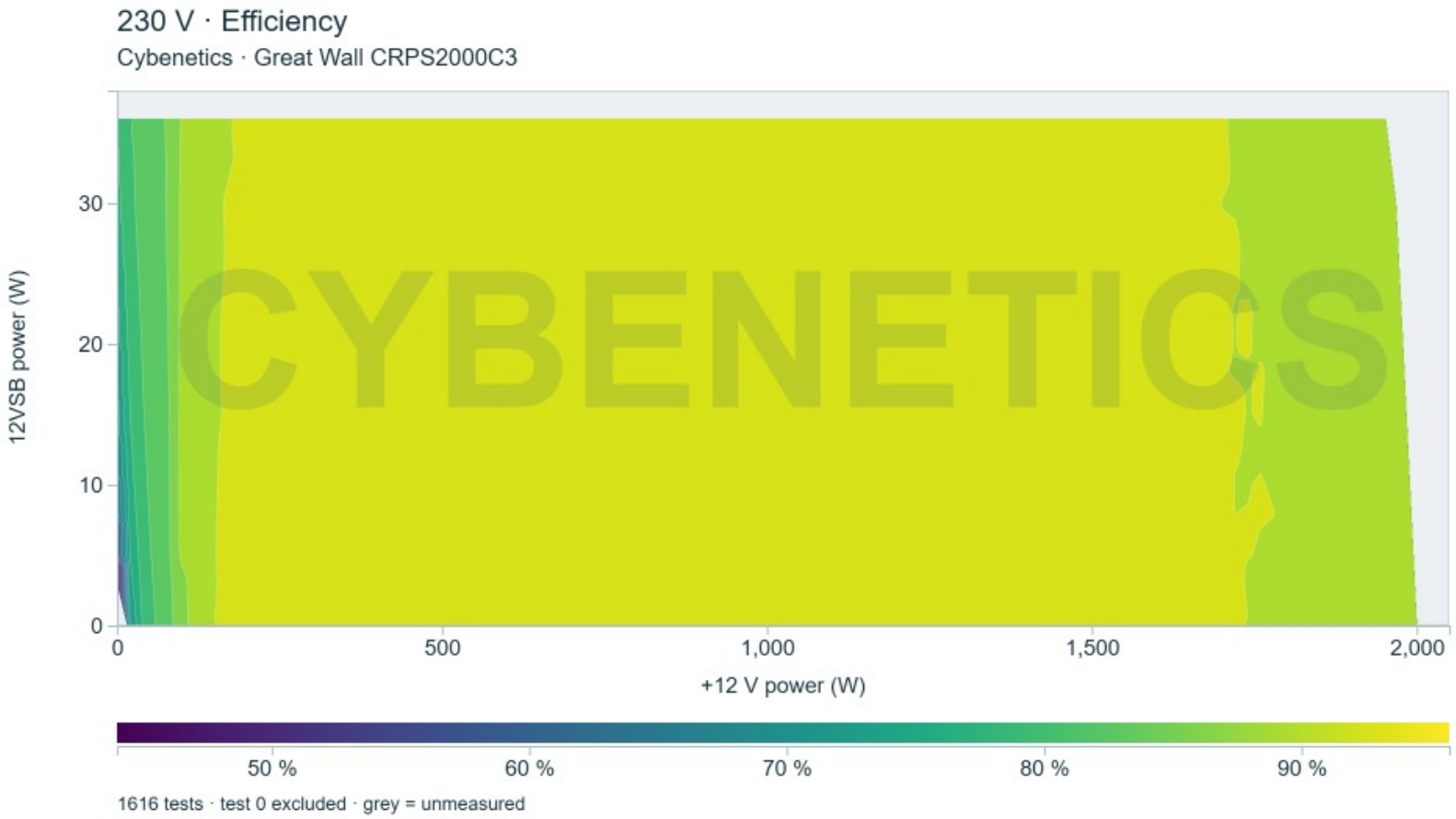
Vampire Power

Tables 230V

Detailed Results						
	Average	Min	Limit Min	Max	Limit Max	Result
Mains Voltage RMS:	230.02 V	230.01 V	227.70 V	230.05 V	232.30 V	PASS
Mains Frequency:	50.00 Hz	50.00 Hz	49.50 Hz	50.00 Hz	50.50 Hz	PASS
Mains Voltage CF:	1.417	1.416	1.340	1.418	1.490	PASS
Mains Voltage THD:	0.15 %	0.13 %	N/A	0.17 %	2.00 %	PASS
Real Power:	3.503 W	3.056 W	N/A	3.971 W	N/A	N/A
Apparent Power:	22.179 W	21.718 W	N/A	22.646 W	N/A	N/A
Power Factor:	0.159	N/A	N/A	N/A	N/A	N/A

Efficiency Graph

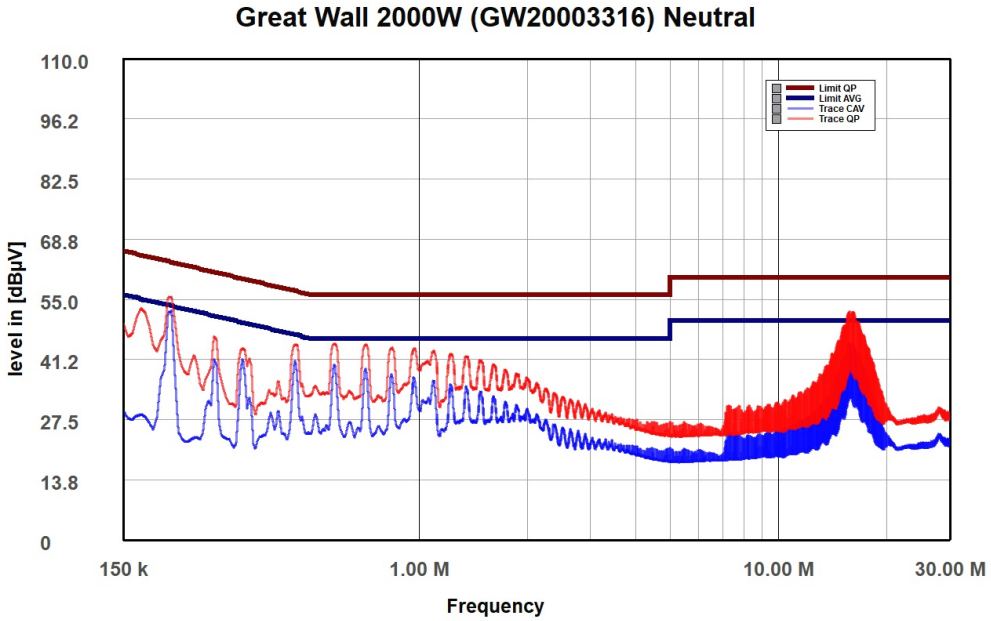
230V



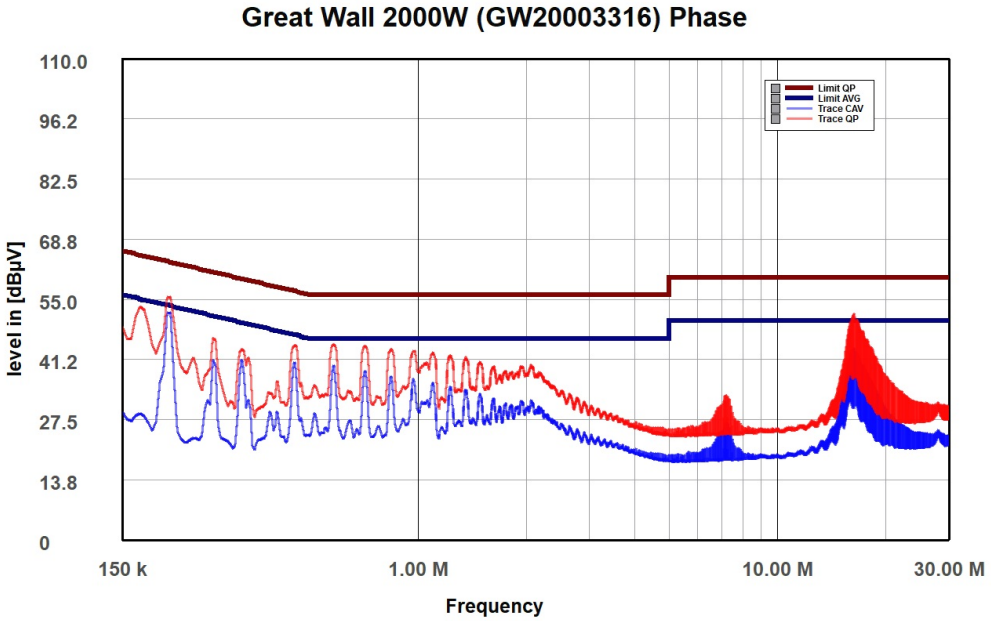
INFO

This graph depicts the PSU's efficiency throughout its tested 230V operational range.

Conducted Emissions EN 55032 & CISPR 32



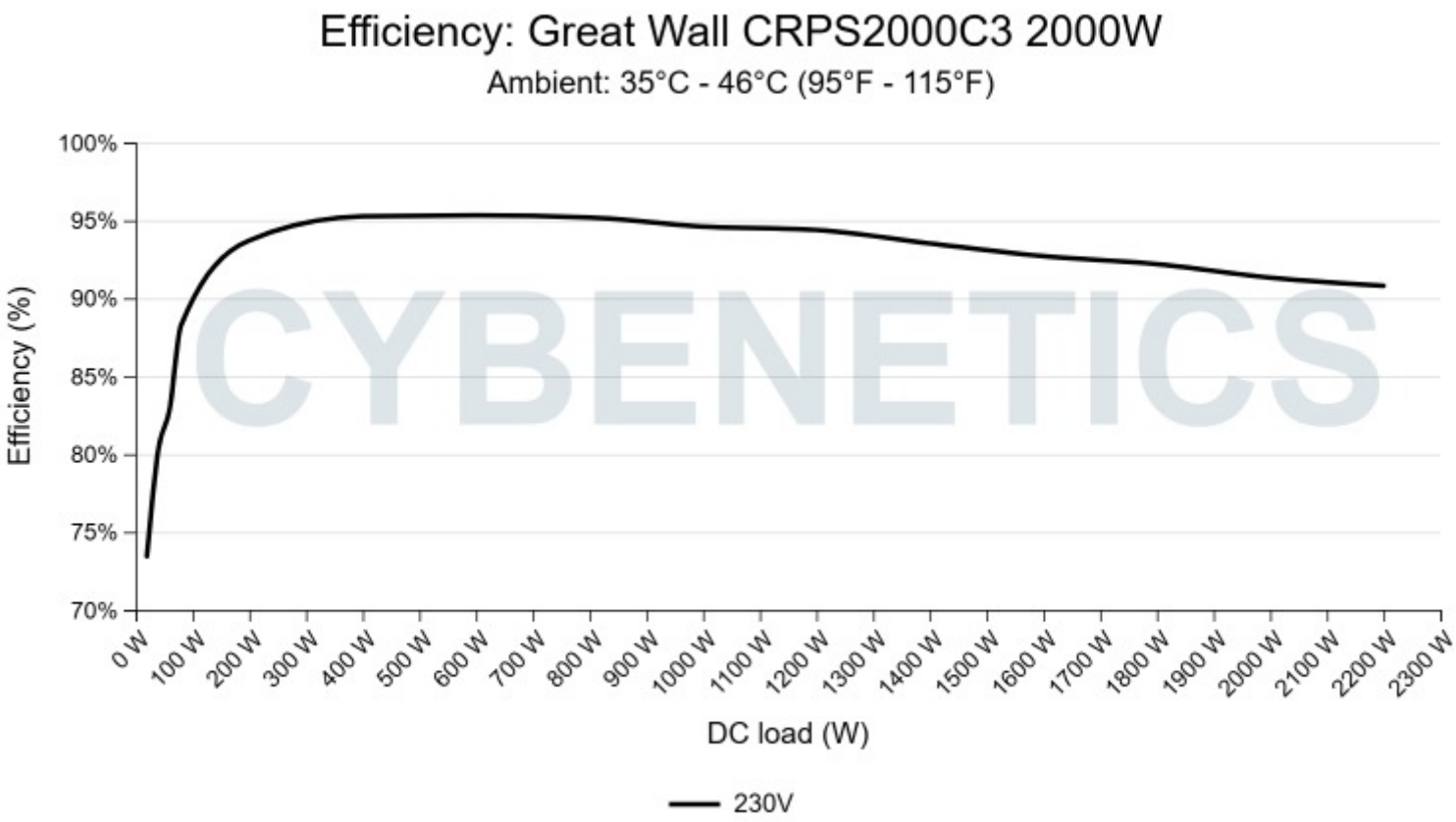
NEUTRAL



PHASE

Indicative Performance

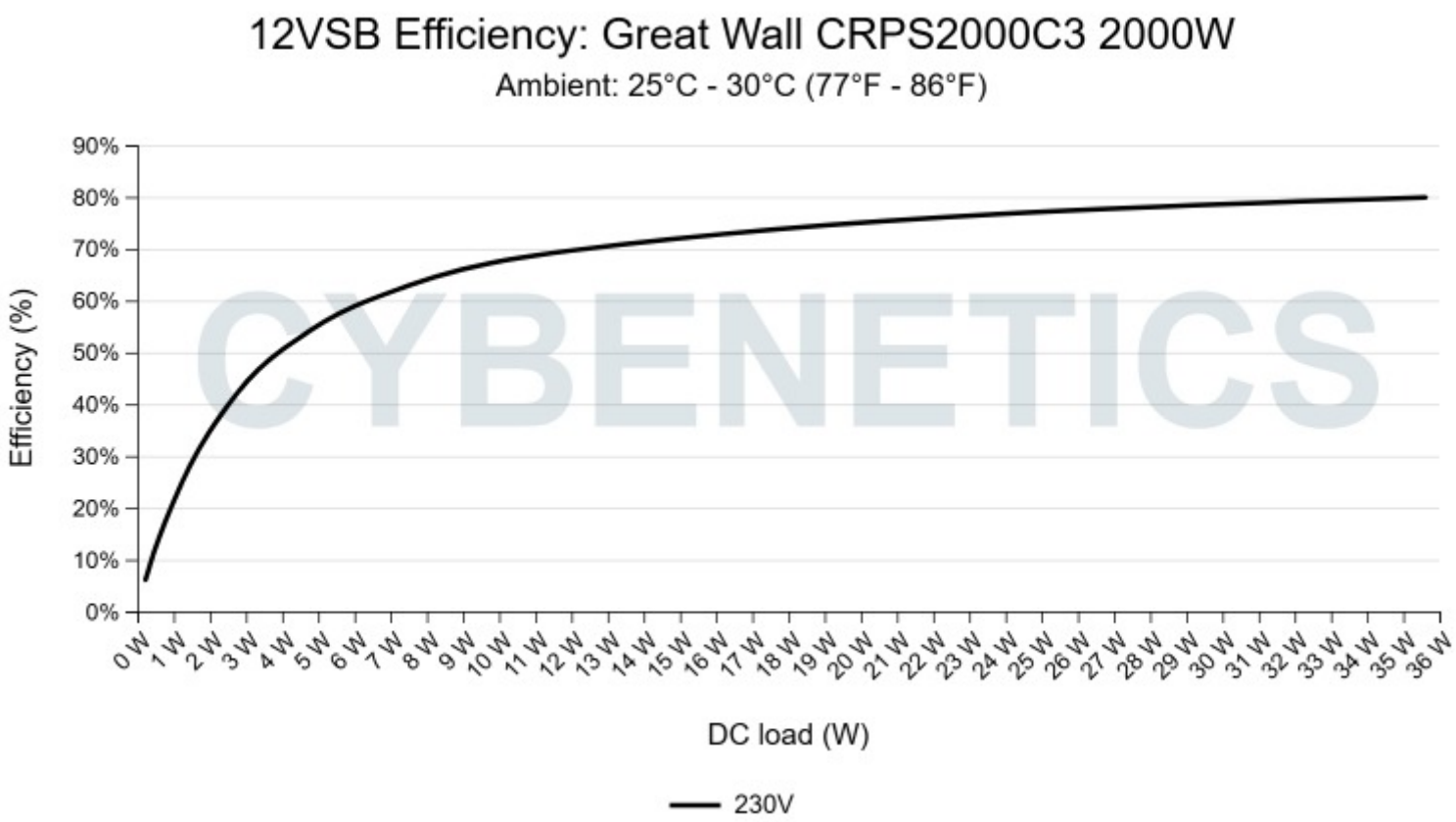
Efficiency under high ambient temperature



INFO

The PSU's efficiency under high ambient temperature with 230V input.

12VSB Efficiency



INFO

This graph depicts the efficiency levels of the 12VSB rail at 230V input.

12VSB Efficiency (ERP LOT 3/6 & CEC) 230V

Test #	12VSB	DC/AC (Watts)	Efficiency	PF/AC Volts
1	**0.019A**	0.229W	6.081%	0.156
	12.077V	3.766W		229.9V

2	**0.038A**	0.459W	11.329%	0.167
	12.076V	4.052W		229.9V
3	**0.4A**	4.823W	54.373%	0.32
	12.057V	8.87W		229.9V
4	**0.625A**	7.529W	62.936%	0.398
	12.046V	11.963W		229.9V
5	**1A**	12.029W	69.647%	0.506
	12.028V	17.271W		229.9V
6	**3A**	35.619W	79.884%	0.757
	11.872V	44.588W		229.88V

Supplementary Tests (For Reference)

Typical Load Tests 230V

Test	12V	12VSB	DC/AC (Watts)	Efficiency	Temps (In/Out)	PF/AC Volts
10%	**15.821A**	**0.415A**	199.957W	93.702%	40.31°C	0.985
	12.322V	12.045V	213.408W		41.4°C	229.85V
20%	**32.027A**	**0.499A**	399.47W	95.25%	40.39°C	0.995
	12.286V	12.028V	419.421W		43.06°C	229.83V
30%	**48.471A**	**0.583A**	599.723W	95.319%	42.07°C	0.994
	12.229V	12.012V	629.261W		45.51°C	229.79V
40%	**64.989A**	**0.667A**	799.981W	95.182%	41.56°C	0.996
	12.186V	11.994V	840.484W		46.42°C	229.77V
50%	**81.657A**	**0.751A**	999.382W	94.599%	44.34°C	0.998
	12.129V	11.977V	1056.493W		47.53°C	229.74V
60%	**98.127A**	**0.836A**	1199.63W	94.383%	42.24°C	0.999
	12.123V	11.959V	1271W		47.51°C	229.71V
70%	**114.968A**	**0.921A**	1399.865W	93.517%	41.4°C	0.999
	12.080V	11.941V	1496.812W		47.43°C	229.67V
80%	**131.923A**	**0.964A**	1599.577W	92.7%	44.12°C	1
	12.038V	11.925V	1725.569W		49.11°C	229.62V

90%	**149.070A**	**1.008A**	1800.106W	92.191%	44.22°C	1
	11.995V	11.908V	1952.785W		51.54°C	229.59V
100%	**164.934A**	**3.082A**	2000.138W	91.319%	44.89°C	1
	11.909V	11.682V	2190.388W		54.42°C	229.55V

The results above are not used in the certification process

Light Load Tests 230V

Test	12V	12VSB	DC/AC (Watts)	Efficiency	Temps (In/Out)	PF/AC Volts
20W	**1.541A**	**0.083A**	20.012W	73.432%	36.42°C	0.594
	12.340V	12.073V	27.269W		38.5°C	0V
40W	**3.116A**	**0.124A**	40.008W	80.265%	36.54°C	0.786
	12.356V	12.07V	49.851W		38.78°C	0V
60W	**4.699A**	**0.166A**	60.004W	82.85%	35.18°C	0.877
	12.343V	12.067V	72.413W		37.32°C	0V
80W	**6.273A**	**0.207A**	79.928W	88.237%	35.12°C	0.914
	12.343V	12.063V	90.591W		37.48°C	0V

The results above are not used in the certification process

Ripple Measurements 230V

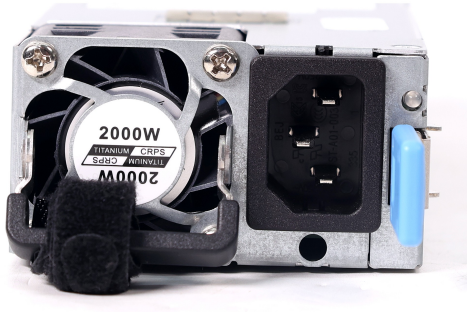
Test	12V	12VSB	Pass/Fail
10% Load	48.7 mV	28.6 mV	Pass
20% Load	56.2 mV	31.3 mV	Pass
30% Load	56.0 mV	33.9 mV	Pass
40% Load	63.4 mV	34.2 mV	Pass
50% Load	71.1 mV	35.9 mV	Pass
60% Load	73.0 mV	36.9 mV	Pass
70% Load	71.8 mV	39.7 mV	Pass
80% Load	84.4 mV	41.3 mV	Pass
90% Load	92.1 mV	42.4 mV	Pass
100% Load	114.1 mV	56.1 mV	Pass

The results above are not used in the certification process

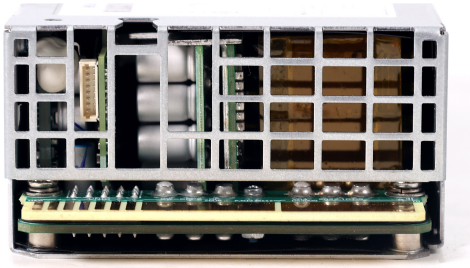
Great Wall CRPS2000C3

Top side

Power specifications label



AC input, cooling fan, and release handle



Card-edge output connector

All data and graphs included in this test report can be used by any individual on the following conditions:
› It should be mentioned that the test results are provided by Cybenetics
› The link to the original test results document should be provided in any case

Cybenetics runs voluntary certification programs for power supplies - ETA for efficiency, LAMBDA for noise and SAFE for safety and correct operation - and for cooling products, with DELTA for chassis soundproofing and PHI for fan airflow and static pressure. THETA rates cooler performance on AMD AM5 and Intel LGA1851 outside ISO 17065 and accreditation scope

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