Report No. 78898/FNBPAP
Date: June 13, 2022

SUCOFINDO
Issuing Office:
Jl. Arteri Tol Cibitung No. 1, Cibitung Bekasi 17520, Indonesia
Phone/Facs: +62 21 88321176/021 88321166
Email: cs.cbt@sucofindo.co.id

REPORT OF TESTING

The sample was submitted by client with the following identification:

CLIENT	:	CATUDAYA DATA PRAKASA, PT.
ADDRESS	:	KAWASAN INDUSTRI DE PRIMATERRA BLOK F1 KAV 12 TEGALLUAR, KAB. BANDUNG
NAME OF SAMPLE	:	RECTIFIER
TYPE	:	CD-9R1101210
SERIAL NUMBER	:	CD-2021-7-292
SPECIFICATION	:	AC INPUT 380VAC 50 Hz DC OUTPUT 48VDC 10A / 25A / 40A / 50A DC OUTPUT 110VDC 50A / 60A / 80A / 100A / 130A / 150A
MANUFACTURER	:	CATUDAYA DATA PRAKASA, PT.
TEST REQUIRED	:	Type Test
TEST METHOD	:	IEC 60146-1 STANDARD
DATE AND PLACE OF INTERVENSION	:	June 2, 2022 at CATUDAYA DATA PRAKASA, PT. Kawasan Industri De Primaterra Blok F1 Kav 12 Tegalluar, Kab Bandung
QUALITY	:	The above sample had been tested on June 2, 2022 under our presence for testing with the following result
RESULT	:	See at attachments

The Attachments available are integral parts of this certificate.

This test result (s) related to the sample (s) submitted only and the report / certificate cannot be reproduced in any way, except in full context and with the prior approval in writing from Sucofindo Laboratory.
This Certificate/report is issued under our General Terms and Conditions, copy of which is available upon request or may be accessed at www.sucofindo.co.id

Sub Dept. Electrical and Engineering Laboratory

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Ali Imron

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Attachment
To Report No. 78898/FNBPAP
Date: June 13, 2022

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REPORT OF TESTING

Test result shown as following bellow:

No.	Test Item	Result	
		110 Vdc	48 Vdc
1.	Visual	Good	Good
2.	Rated Input Voltage 3 Phase (Volt)	388.7 – 379.3	386.4 – 379.2
	THD Percentage (%)	2.01	1.8
	Power Factor	0.81	0.83
	Frequency (Hz)	49.97	49.98
3.	Rated Output Voltage (Volt)	120.2/ 119.8/ 120.6 120.3/ 120.6/ 120.6	53.71/ 53.75/ 53.62/ 53.52 53.61/ 53.52/ 53.30/ 52.09
	Rated Current (Ampere)	54.3/ 86.5/ 108.6 120.1/ 131.2/ 153.0	11.2/ 21.3/ 31.5/ 41.9 52.7/ 59.1/ 82.3/ 89.1
4.	Efficiency (%)	90,4/ 90.1/ 90,2 90.3/ 90.0/ 90.2	90.4/ 90.0/ 90.1/ 90.5 90.2/ 90.3/ 90.2/ 90.7
5.	Output Ripple Load Connection (%)	0.48/ 0.47/ 0.44 0.47/ 0.46/ 0.45	0.89/ 0.84/ 0.82/ 0.80 0.86/ 0.84/ 0.81/ 0.84
6	Input Voltage Adjustment Floating (Volt)	320 – 440	320 – 410
7.	Output Voltage Adjustment Floating (Volt)	99 – 160	40 – 70
8.	Output Voltage Variation (Volt)	0.024	0.018
9.	Drooper Dioda	Working	Working

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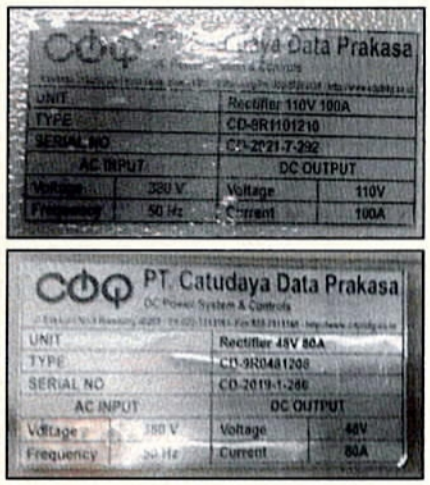
ATTACHMENT OF CERTIFICATE

DATE	NAME OF SAMPLE	TEST REQUIRED	Test Method
June 02, 2022	RECTIFIER	Type Test	IEC 60146-1 STANDARD



Picture of Marking Product RECTIFIER

Picture of Product RECTIFIER

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June 02, 2022	RECTIFIER	Type Test	IEC 60146-1 STANDARD

Picture of Rated Input Voltage 3 Phase

Picture of Rated Output Voltage 110 Vdc

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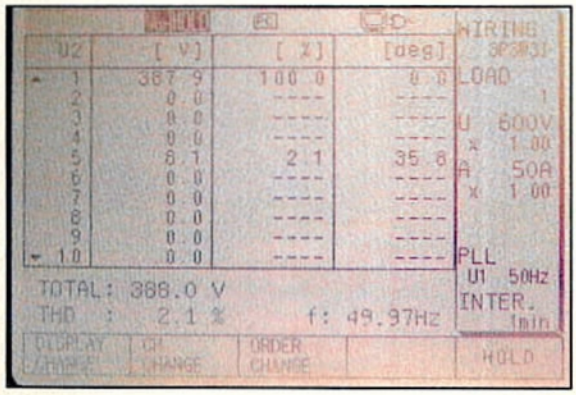
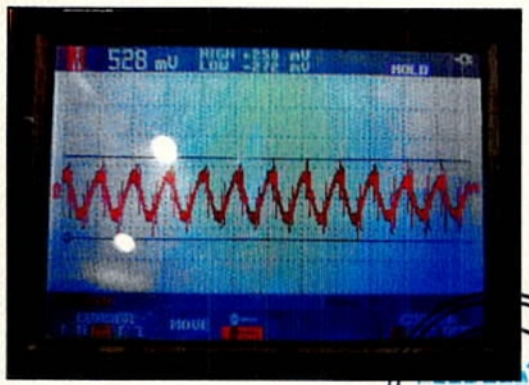


Picture of Total Harmonic Distortion (THD)



Picture of Ripple Voltage

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