Report No. 78899/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	:	MOBILE DC SYSTEM
TYPE	:	CD-9R1101210
SERIAL NUMBER	:	CD-2021-7-292
SPECIFICATION	:	AC INPUT 380VAC 50 Hz DC OUTPUT 110VDC / 48VDC 60A / 80A / 100A / 130A / 150A
MANUFACTURER	:	CATUDAYA DATA PRAKASA, PT.
TEST REQUIRED	:	Type Test
TEST METHOD	:	IEC 60146 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

Ali Imron

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Attachment
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REPORT OF TESTING

Test result shown as following bellow:

No.	Test Item	Output	
		110 Vdc	48 Vdc
1.	Visual	Good	Good
2.	Rated Input Voltage 3 Phase (Volt)	388.3 – 380.8	386.8 – 380.1
	THD Percentage (%)	2.0	12.1
	Power Factor	0.81	0.83
	Frequency (Hz)	50.01	49.99
3.	Rated Output Voltage Load Connection (Volt)	120.1/ 120.4/ 120.3 119.8/ 119.8/ 119.7	53.72/ 53.74/ 53.65/ 53.54 53.65/ 53.54/ 53.62/ 53.86
	Rated Current Load Connection (Ampere)	54.5/ 86.9/ 109.1 121.1/ 131.6/ 153.4	11.2/ 21.4/ 31.5/ 41.9 52.7/ 59.6/ 82.3/ 89.6
4.	Rated Output Voltage Batterai Connection (Volt)	120.3/ 120.1/ 120.2 120.1/ 119.9/ 119.9	53.78/ 53.75/ 53.80/ 53.61 53.75/ 54.15/ 53.96/ 53.61
	Rated Current Batterai Connection (Ampere)	54.4/ 86.6/ 109.0 121.4/ 131.5/ 153.1	11.2/ 21.5/ 31.4/ 41.9 52.7/ 59.8/ 82.6/ 89.9
4.	Efficiency Load Connection (%)	90.4/ 90.6/ 90.1 90.1/ 90.6/ 90.3	90.3/ 90.4/ 90.1/ 90.2 90.0/ 90.2/ 90.2/ 90.2
	Efficiency Batterai Connection (%)	90.4/ 90.2/ 90.0 90.5/ 90.6/ 90.5	90.4/ 90.4/ 90.1/ 90.2 90.0/ 90.7/ 90.6/ 90.6
5.	Output Ripple Load Connection (%)	0.47/ 0.48/ 0.50 0.49/ 0.51/ 0.49	0.89/ 0.89/ 0.84/ 0.82 0.80/ 0.81/ 0.83/ 0.82
	Output Ripple Batterai Connection (%)	0.48/ 0.50/ 0.49 0.50/ 0.49/ 0.49	0.89/ 0.91/ 0.86/ 0.86 0.84/ 0.87/ 0.89/ 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)	0.019	0.017
9.	Drooper Dioda	Working	Working

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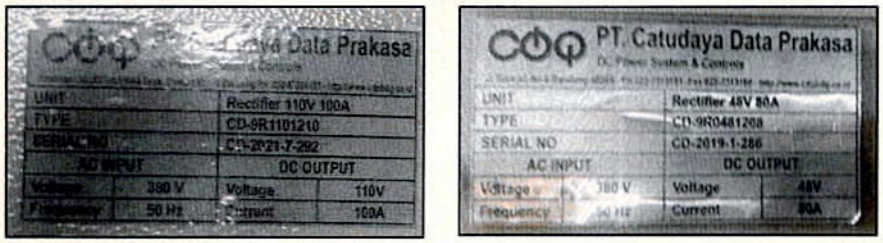
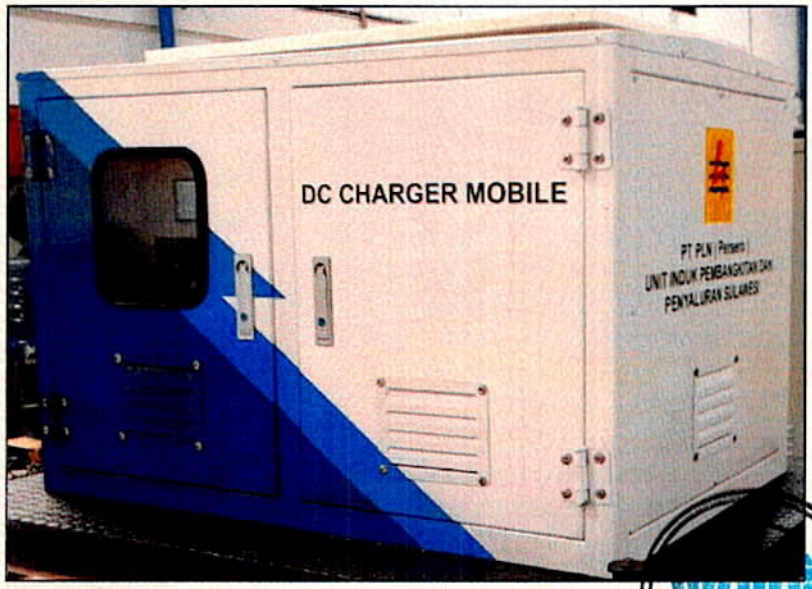
ATTACHMENT OF CERTIFICATE

DATE	NAME OF SAMPLE	TEST REQUIRED	Test Method
June 02, 2022	MOBILE DC SYSTEM	Type Test	IEC 60146 STANDARD



Picture of Marking MOBILE DC SYSTEM



Picture of MOBILE DC SYSTEM

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Picture of Rated Input Voltage

Picture of Rated Output Voltage

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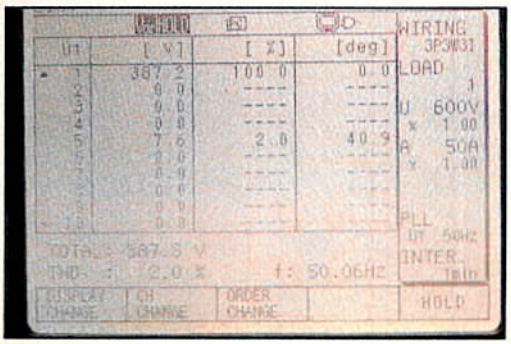
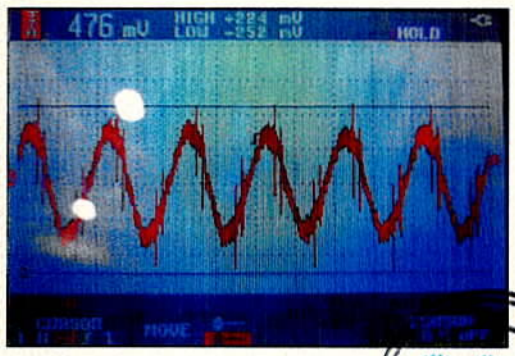


Picture of Total Harmonic Distortion (THD)



Picture of ripple Voltage

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