

Fluke Energy Analyze Report

Client:

Location:

Canadian Embassy

Description:



Session name:

CDNEMBSA_23_03_06

Description:

Notes:

Study Type:

Energy study

Measurement Mode:

Topology:

3-ph Wye

Nominal Voltage:

Buffer Type:

linear (do not overwrite)

Start and End Dates:

Configured start: 2023-03-06 1:11:03 AM

Configured end: 2023-03-08 1:11:03 AM

Actual start: 2023-03-06 1:11:03 AM

Actual end: 2023-03-06 2:51:50 AM

Duration:

Configured duration: 2d 0h 0m 0s

Actual duration: 1h 40m 47s

Number of averaging intervals:

Number of trend intervals as configured: 17279

Number of trend intervals as present: 605

Trend interval length: 10sec

Number of demand intervals as configured: 287

Number of demand intervals as present: 10

Demand interval: 10min

Instrument information:

Instrument Type: FLUKE 1730

Installed Licenses: IEEE 519, GOST Reporting, WiFi-Infrastructure

Instrument versions: Firmware Version: 1.3

DSP Version: 1.3

Instrument Serial Number: 033503387

Instrument time zone: Africa/Johannesburg

Attached Current Sensors:

Channel	Ratio	Model	Range	Serial No
1 - A	1:1	iFlex1500-12	1500A	351520201
2 - B	1:1	Not connected	-	-

3 - C	1:1	iFlex1500-12	1500A	351520200
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Voltage mapping:

Channel	Ratio
1 - A	1:1
2 - C	1:1
3 - B	1:1

Aux Settings:

Channel	Gain	Offset	Unit
Aux1	1	0	V
Aux2	1	0	V



RMS Power overview table

CDNEMBSA_23_03_06				
[-] Login... Study type: Energy study Topology: Start date: 2023-03-06 1:11:03 AM End date: Duration: 1h 40m 47s Averaging interval: 10sec Number of averaging interval				
[-] Active ...				
	A	B	C	Total
Max	8.655 kW <small>23-03-06 2:20:20 /</small>	0.0000 kW <small>23-03-06 1:11:10 /</small>	11.374 kW <small>23-03-06 2:38:30 /</small>	19.463 kW <small>23-03-06 2:20:20 /</small>
lin...	6.096 kW	0.0000 kW	6.039 kW	12.136 kW
Min	4.419 kW <small>23-03-06 1:18:40 /</small>	0.0000 kW <small>23-03-06 1:11:10 /</small>	3.374 kW <small>23-03-06 1:19:10 /</small>	8.594 kW <small>23-03-06 1:19:30 /</small>
[-] Appar...				
	A	B	C	Total
Max	23.583 kVA <small>23-03-06 1:59:00 /</small>	0.0000 kVA <small>23-03-06 1:11:10 /</small>	18.282 kVA <small>23-03-06 2:45:20 /</small>	61.748 kVA <small>23-03-06 2:20:20 /</small>
lin...	14.361 kVA	0.0000 kVA	11.719 kVA	40.464 kVA
Min	9.815 kVA <small>23-03-06 1:14:00 /</small>	0.0000 kVA <small>23-03-06 1:11:10 /</small>	7.835 kVA <small>23-03-06 1:19:10 /</small>	29.107 kVA <small>23-03-06 1:16:50 /</small>
[-] Non-A...				
	A	B	C	Total
Max	22.702 kvar <small>23-03-06 1:59:00 /</small>	0.0000 kvar <small>23-03-06 1:11:10 /</small>	14.425 kvar <small>23-03-06 2:45:20 /</small>	58.600 kvar <small>23-03-06 2:20:20 /</small>
lin...	12.996 kvar	0.0000 kvar	10.036 kvar	38.596 kvar
Min	8.575 kvar <small>23-03-06 1:14:00 /</small>	0.0000 kvar <small>23-03-06 1:11:10 /</small>	6.809 kvar <small>23-03-06 1:18:40 /</small>	27.717 kvar <small>23-03-06 1:16:50 /</small>
[-] Power ...				
	A	B	C	Total
Max	0.51 ind <small>23-03-06 1:17:20 /</small>		0.69 <small>23-03-06 1:52:10 /</small>	0.33 <small>23-03-06 2:46:30 /</small>
lin...	0.42		0.52	0.30
Min	0.26 ind <small>23-03-06 1:52:10 /</small>		0.42 <small>23-03-06 1:29:10 /</small>	0.20 <small>23-03-06 1:18:00 /</small>



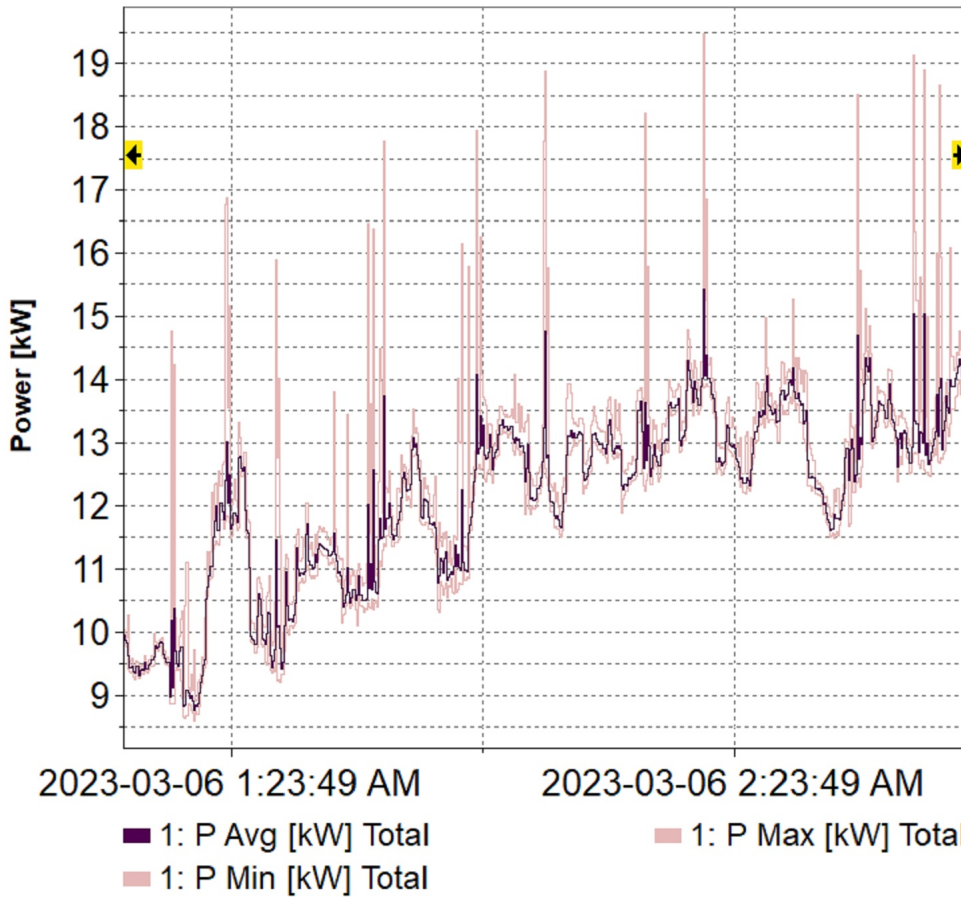
RMS Power overview table

Averaging interval:

	Configured Interval length
CDNEMBSA_23_03_06	10sec



RMS Power graph



2023-03-06 1:23:49 AM

2023-03-06 2:23:49 AM



1: P Avg [kW] Total

1: P Max [kW] Total

1: P Min [kW] Total

Graph Options:

Logging Sessions	ID
CDNEMBSA_23_03_06	1

Left Scale Options	L1 (A)	L2 (B)	L3 (C)	Total	Min/Max
P [W]				X	X X

Time Range: start at 2023-03-05 8:01:26 PM, end at 2023-03-06 8:01:26 AM.



V, A, Hz, THD overview table

CDNEMBSA_23_03_06			
Logging In...			
Study type:	Energy study	Topology:	
Start date:	2023-03-06 1:11:03 AM	End date:	
Duration:	1h 40m 47s		
Averaging interval:	10sec	Number of averaging interval:	
Voltage [V]			
	AN	BN	CN
Max	240.7V :023-03-06 1:27:30 AM	235.9V :023-03-06 1:52:00 AM	235.0V :023-03-06 1:45:00 AM
linear ...	235.9V	232.1V	231.0V
Min	227.5V :023-03-06 2:08:40 AM	222.9V :023-03-06 2:08:40 AM	223.1V :023-03-06 2:39:20 AM
Current [A]			
	A	B	C
Max	108.8A :023-03-06 2:19:00 AM	0.0000 A :023-03-06 1:11:10 AM	82.1 A :023-03-06 2:20:20 AM
linear ...	60.9 A	0.0000 A	50.8 A
Min	41.1 A :023-03-06 1:14:00 AM	0.0000 A :023-03-06 1:11:10 AM	32.2 A :023-03-06 1:18:30 AM
Frequency ...			
	AN		
Max	50.23 Hz :023-03-06 2:04:10 AM		
linear ...	50.00 Hz		
Min	49.77 Hz :023-03-06 1:25:40 AM		
V THD [%]			
	AN	BN	CN
Max	4.1 % :023-03-06 2:45:00 AM	2.7 % :023-03-06 2:45:20 AM	3.6 % :023-03-06 2:18:20 AM
linear ...	3.0 %	2.3 %	3.2 %
Min	2.5 % :023-03-06 1:21:00 AM	1.9 % :023-03-06 1:21:40 AM	2.7 % :023-03-06 1:21:40 AM



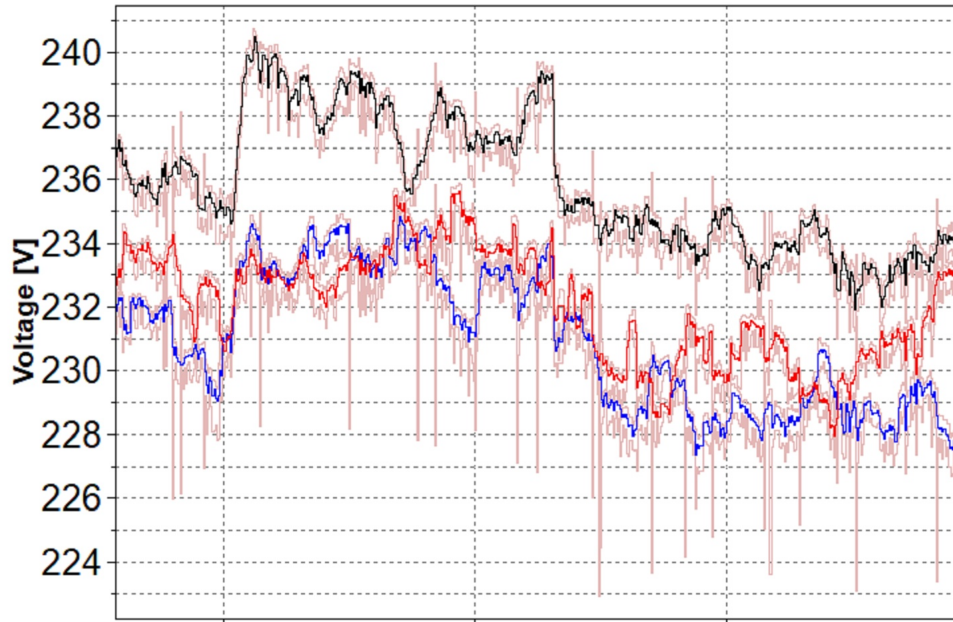
V, A, Hz, THD overview table

Averaging interval:

	Configured Interval length
CDNEMBSA_23_03_06	10sec



V, A, Hz, THD graph



2023-03-06 1:23:49 AM

2023-03-06 2:23:49 AM



- 1: Voltage Avg [V] AN
- 1: Voltage Min [V] AN
- 1: Voltage Max [V] AN
- 1: Voltage Avg [V] BN
- 1: Voltage Min [V] BN
- 1: Voltage Max [V] BN
- 1: Voltage Avg [V] CN
- 1: Voltage Min [V] CN
- 1: Voltage Max [V] CN

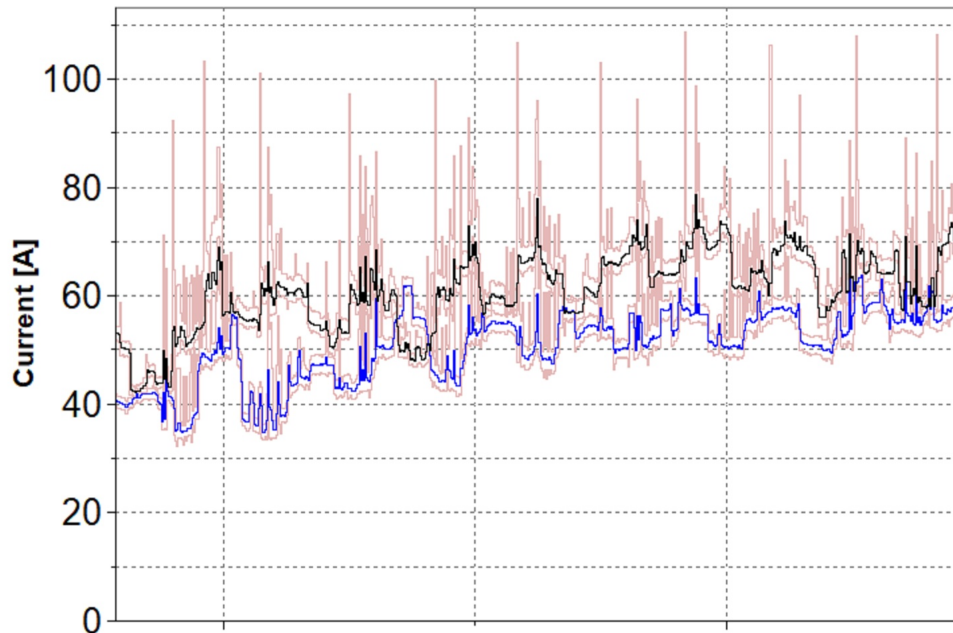
Graph Options:

Logging Sessions	ID
CDNEMBSA_23_03_06	1

Left Scale Options	L1 (A)	L2 (B)	L3 (C)	N	Total	Min/Max
Volt [V]	X	X	X			X X



V, A, Hz, THD graph



2023-03-06 1:23:49 AM

2023-03-06 2:23:49 AM



- 1: Current Avg [A] A
- 1: Current Min [A] A
- 1: Current Max [A] A
- 1: Current Avg [A] B
- 1: Current Min [A] B
- 1: Current Max [A] B
- 1: Current Avg [A] C
- 1: Current Min [A] C
- 1: Current Max [A] C

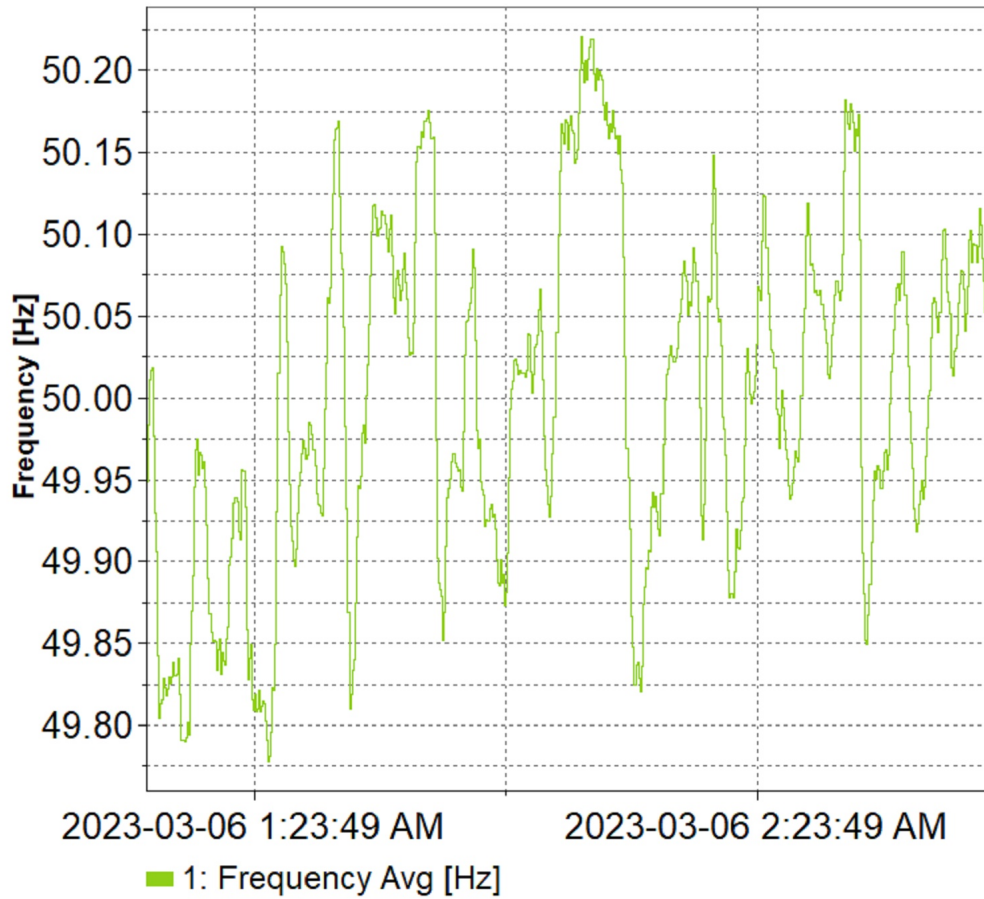
Graph Options:

Logging Sessions	ID
CDNEMBSA_23_03_06	1

Left Scale Options	L1 (A)	L2 (B)	L3 (C)	N	Total	Min/Max
Curr [A]	X	X	X			X X



V, A, Hz, THD graph



Graph Options:

Logging Sessions	ID
CDNEMBSA_23_03_06	1

Left Scale Options	L1 (A)	L2 (B)	L3 (C)	N	Total	Min/Max
Freq [Hz]	X					