



Trend Summary Report

Report start	5/1/2026 11:30:00 AM
Report end	5/11/2026 6:15:00 AM
Report duration	9 days, 18:45:00 (h:min:s)
Instrument ID	PEL113 108822AAH

Database File Name: MCCY.dvb

Operator

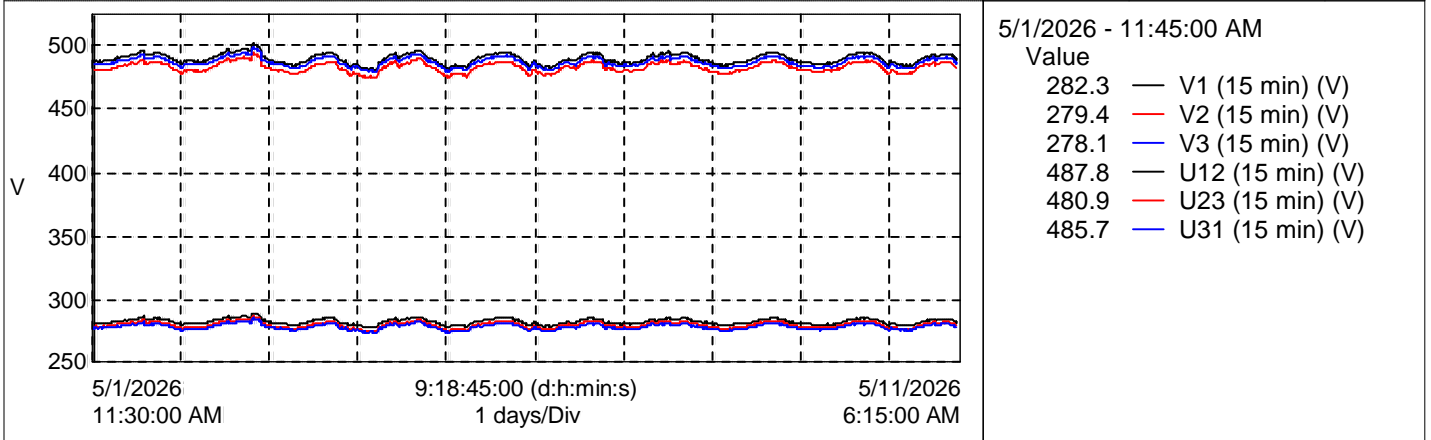
Test Site

Comments

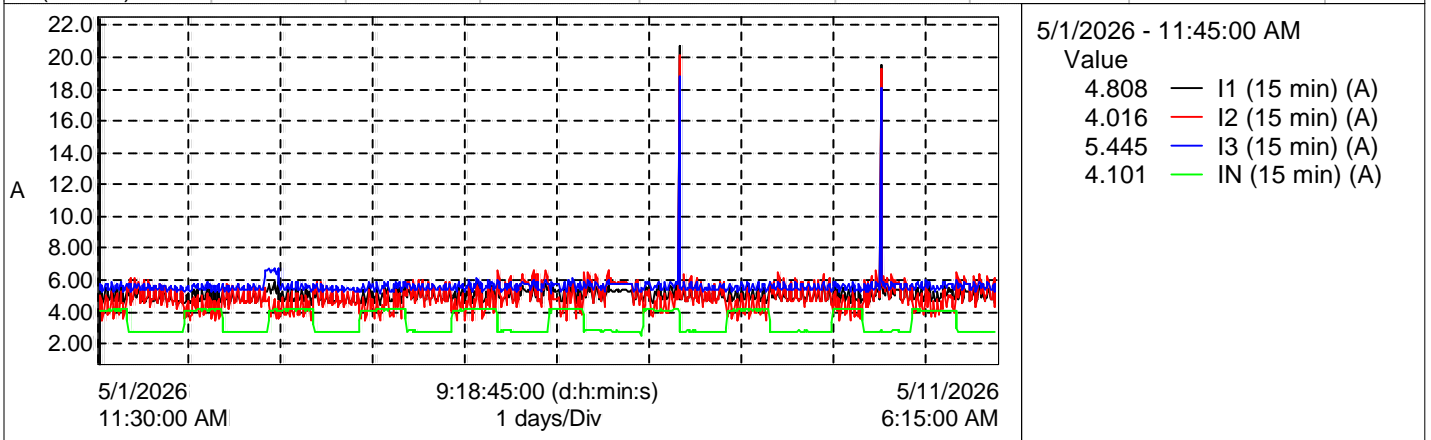
Table of Contents	
Coversheet	1
Table of Contents	2
V (V) - I (A) - P (W)	3
Phase-to-Neutral Voltage RMS	4
Phase-to-Phase Voltage RMS	5
Current RMS	6
Power Factor	7
Active Power P (kW)	8
Apparent Power S (kVA)	9
Reactive Power Q (kvar)	10
Active Energy Ep (kWh)	11
Apparent Energy Es (kVAh)	12
Reactive Energy Eq (kvarh)	13
F (Hz)	14
CF	15
Cos φ (DPF)	16
Tan Φ	17
Phase-to-Neutral Total Harmonic Distortion	18
Phase-to-Phase Total Harmonic Distortion	19
Current Total Harmonic Distortion	20
Events	21
Total energies and costs	22
MAX	23
Configuration	24
Glossary	25

V (V) - I (A) - P (W)

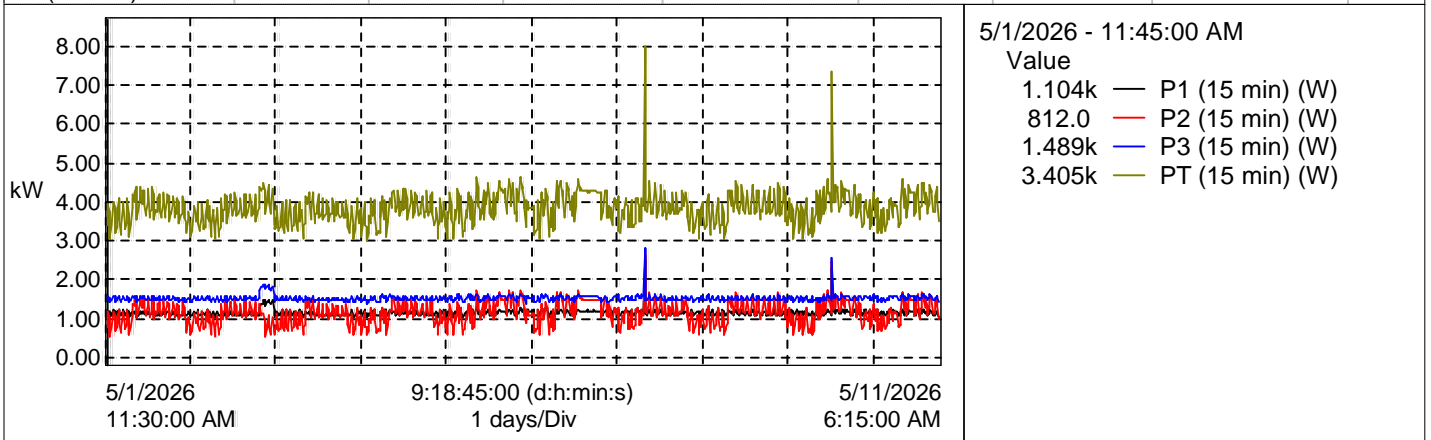
Name	AVG	MIN	MIN date	MIN time	MAX	MAX date	MAX time	Units
U12 (15 min)	489.7	480.9	5/4/2026	4:30:00 PM	501.9	5/3/2026	7:00:00 AM	V
U23 (15 min)	483.0	474.4	5/4/2026	4:30:00 PM	494.4	5/3/2026	7:00:00 AM	V
U31 (15 min)	487.1	479.3	5/4/2026	4:30:00 PM	498.7	5/3/2026	7:00:00 AM	V
V1 (15 min)	283.2	278.4	5/4/2026	4:30:00 PM	290.1	5/3/2026	7:00:00 AM	V



Name	AVG	MIN	MIN date	MIN time	MAX	MAX date	MAX time	Units
I1 (15 min)	5.144	4.436	5/2/2026	6:00:00 PM	20.72	5/7/2026	7:30:00 PM	A
I2 (15 min)	5.019	3.433	5/4/2026	1:00:00 PM	20.13	5/7/2026	7:30:00 PM	A
I3 (15 min)	5.655	5.181	5/6/2026	9:45:00 AM	18.75	5/7/2026	7:30:00 PM	A
IN (15 min)	3.435	2.512	5/7/2026	9:30:00 AM	4.203	5/6/2026	6:00:00 PM	A

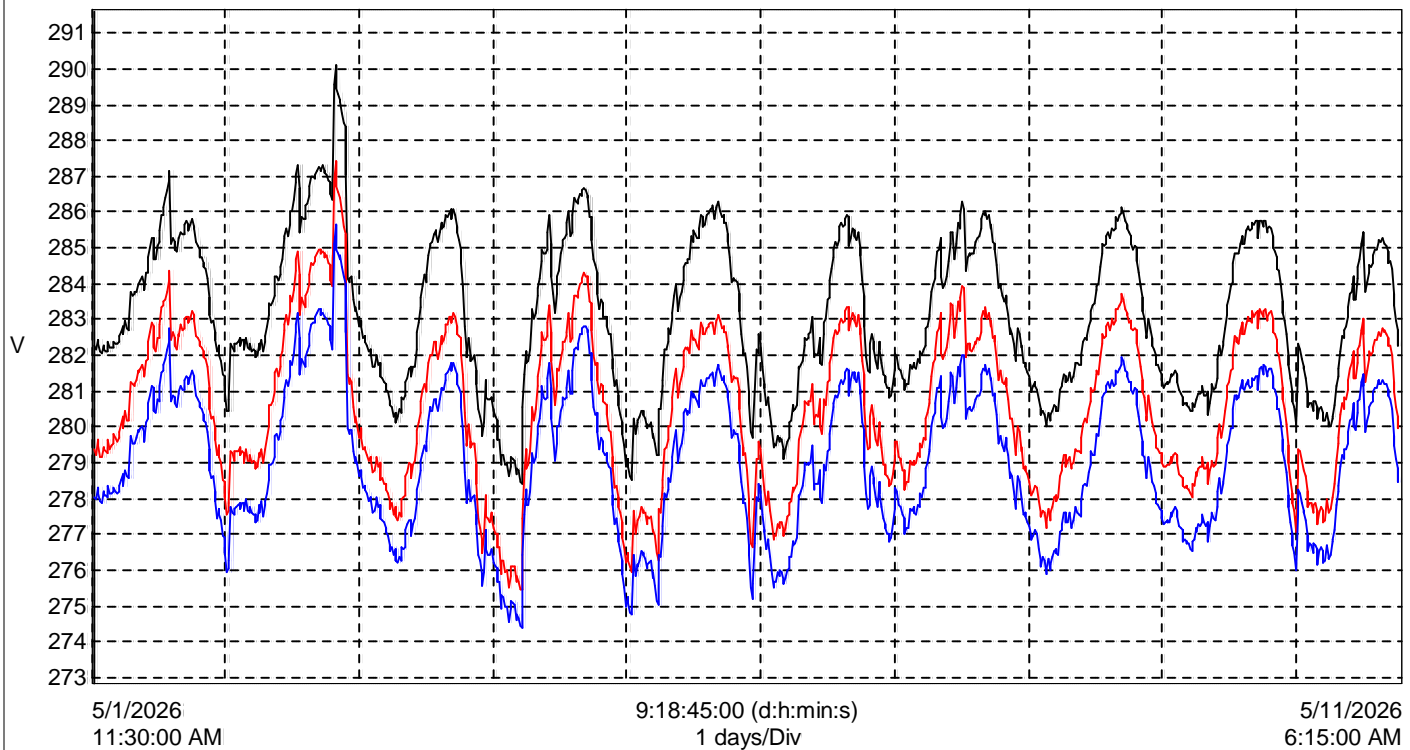


Name	AVG	MIN	MIN date	MIN time	MAX	MAX date	MAX time	Units
P1 (15 min)	1.155	1.045	5/2/2026	8:00:00 AM	2.516	5/7/2026	7:30:00 PM	kW
P2 (15 min)	1.152k	549.0	5/3/2026	8:15:00 AM	2.668k	5/7/2026	7:30:00 PM	W
P3 (15 min)	1.531	1.389	5/6/2026	9:45:00 AM	2.799	5/7/2026	7:30:00 PM	kW
PT (15 min)	3.837	3.027	5/4/2026	1:00:00 PM	7.984	5/7/2026	7:30:00 PM	kW



Phase-to-Neutral Voltage RMS

Name	AVG	MIN	MIN date	MIN time	MAX	MAX date	MAX time	Units
V1 (15 min)	283.2	278.4	5/4/2026	4:30:00 PM	290.1	5/3/2026	7:00:00 AM	V
V2 (15 min)	280.6	275.5	5/4/2026	4:15:00 PM	287.4	5/3/2026	7:00:00 AM	V
V3 (15 min)	279.1	274.4	5/4/2026	4:30:00 PM	285.7	5/3/2026	7:00:00 AM	V



5/1/2026 - 11:45:00 AM

Value

- 282.3 — V1 (15 min) (V)
- 279.4 — V2 (15 min) (V)
- 278.1 — V3 (15 min) (V)

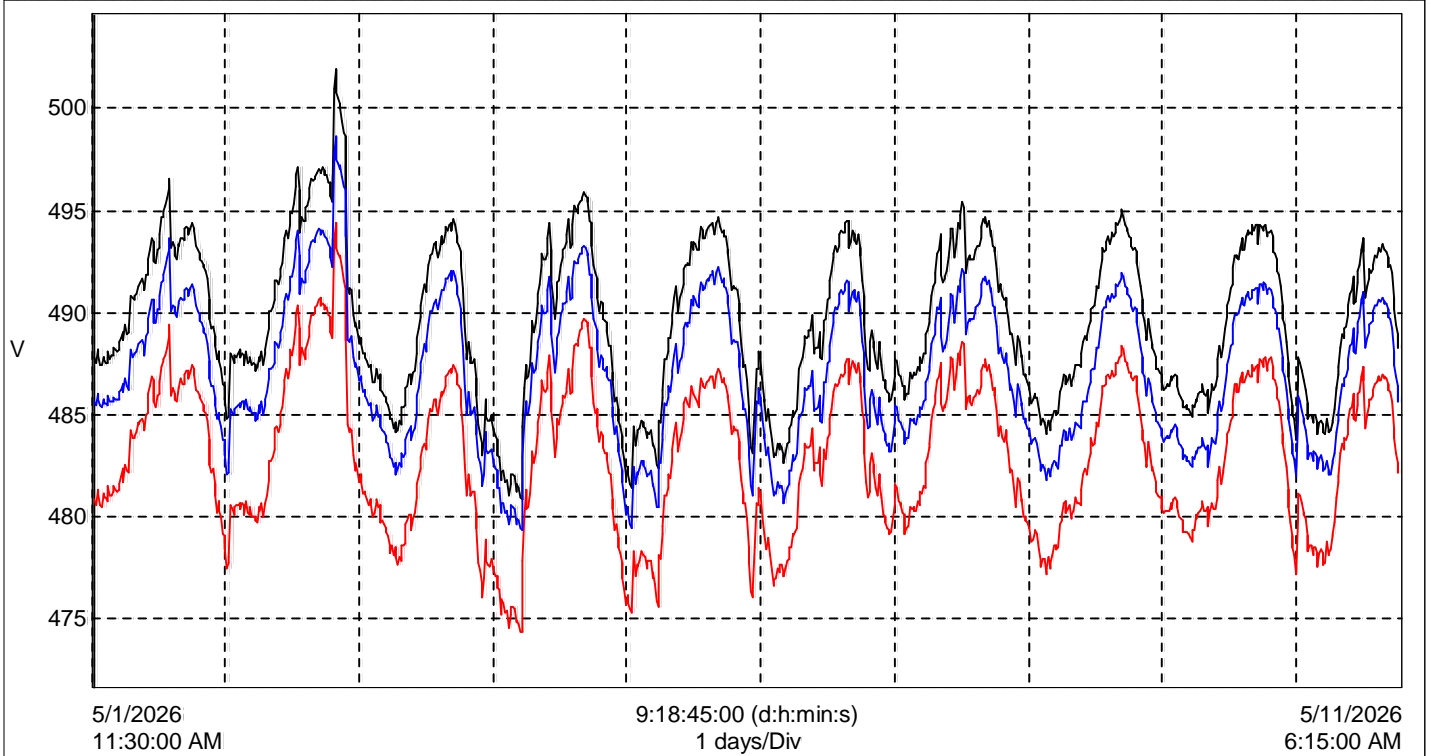
V1 (15 min) (V)			
Date	Time	Val	Units
5/1/2026	11:45:00 AM	282.3	V
5/1/2026	12:00:00 PM	282.1	V
5/1/2026	12:15:00 PM	282.4	V
5/1/2026	12:30:00 PM	282.3	V
5/1/2026	12:45:00 PM	282.1	V
5/1/2026	1:00:00 PM	282.1	V
5/1/2026	1:15:00 PM	282.3	V
5/1/2026	1:30:00 PM	282.2	V
5/1/2026	1:45:00 PM	282.1	V
5/1/2026	2:00:00 PM	282.1	V
5/1/2026	2:15:00 PM	282.4	V
5/1/2026	2:30:00 PM	282.2	V
5/1/2026	2:45:00 PM	282.2	V

Exceptions

Name	Date	Time	Duration	Duration Units	MIN	MAX	AVG	Units

Phase-to-Phase Voltage RMS

Name	AVG	MIN	MIN date	MIN time	MAX	MAX date	MAX time	Units
U12 (15 min)	489.7	480.9	5/4/2026	4:30:00 PM	501.9	5/3/2026	7:00:00 AM	V
U23 (15 min)	483.0	474.4	5/4/2026	4:30:00 PM	494.4	5/3/2026	7:00:00 AM	V
U31 (15 min)	487.1	479.3	5/4/2026	4:30:00 PM	498.7	5/3/2026	7:00:00 AM	V



5/1/2026 - 11:45:00 AM

Value

- 487.8 — U12 (15 min) (V)
- 480.9 — U23 (15 min) (V)
- 485.7 — U31 (15 min) (V)

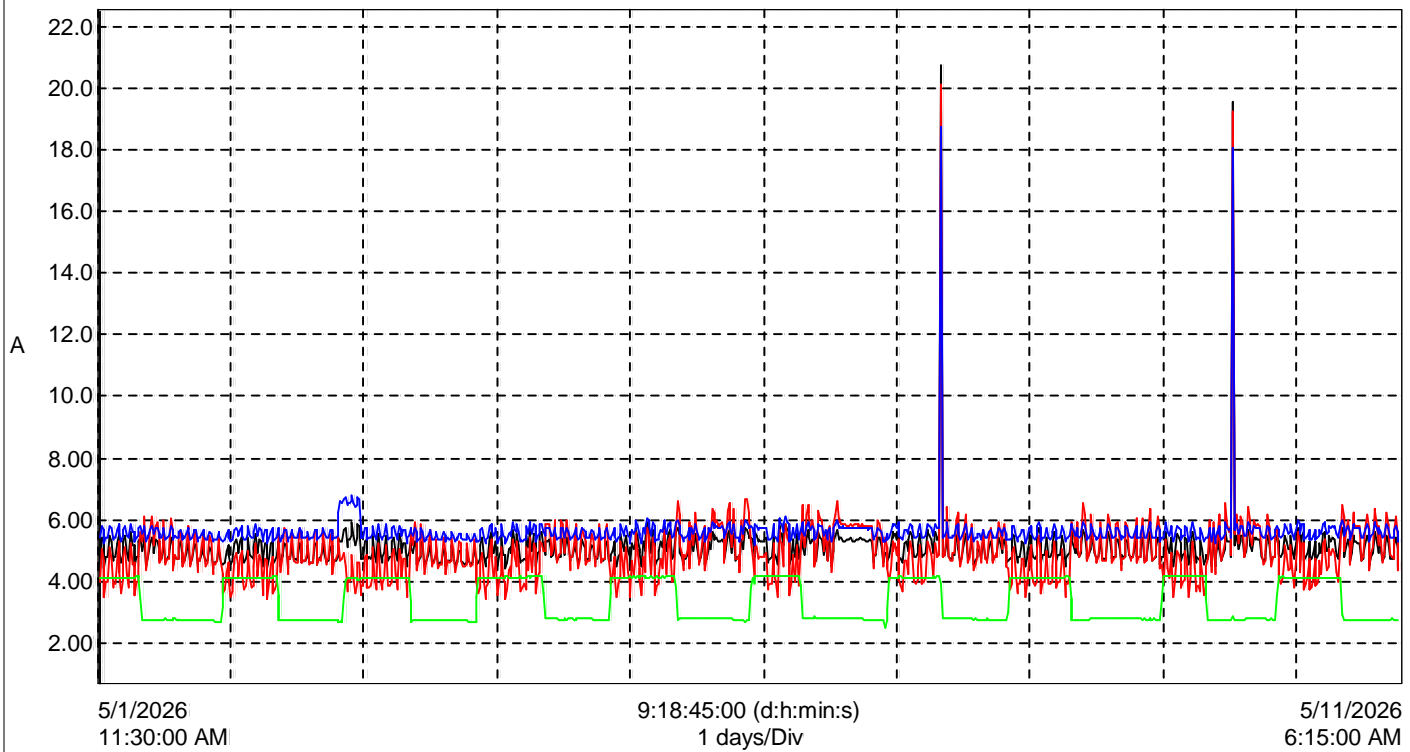
U12 (15 min) (V)			
Date	Time	Val	Units
5/1/2026	11:45:00 AM	487.8	V
5/1/2026	12:00:00 PM	487.6	V
5/1/2026	12:15:00 PM	488.2	V
5/1/2026	12:30:00 PM	487.9	V
5/1/2026	12:45:00 PM	487.5	V
5/1/2026	1:00:00 PM	487.5	V
5/1/2026	1:15:00 PM	487.8	V
5/1/2026	1:30:00 PM	487.7	V
5/1/2026	1:45:00 PM	487.6	V
5/1/2026	2:00:00 PM	487.6	V
5/1/2026	2:15:00 PM	488.1	V
5/1/2026	2:30:00 PM	487.8	V
5/1/2026	2:45:00 PM	487.9	V

Exceptions

Name	Date	Time	Duration	Duration Units	MIN	MAX	AVG	Units

Current RMS

Name	AVG	MIN	MIN date	MIN time	MAX	MAX date	MAX time	Units
I1 (15 min)	5.144	4.436	5/2/2026	6:00:00 PM	20.72	5/7/2026	7:30:00 PM	A
I2 (15 min)	5.019	3.433	5/4/2026	1:00:00 PM	20.13	5/7/2026	7:30:00 PM	A
I3 (15 min)	5.655	5.181	5/6/2026	9:45:00 AM	18.75	5/7/2026	7:30:00 PM	A
IN (15 min)	3.435	2.512	5/7/2026	9:30:00 AM	4.203	5/6/2026	6:00:00 PM	A



5/1/2026 - 11:45:00 AM

Value

- 4.808 — I1 (15 min) (A)
- 4.016 — I2 (15 min) (A)
- 5.445 — I3 (15 min) (A)

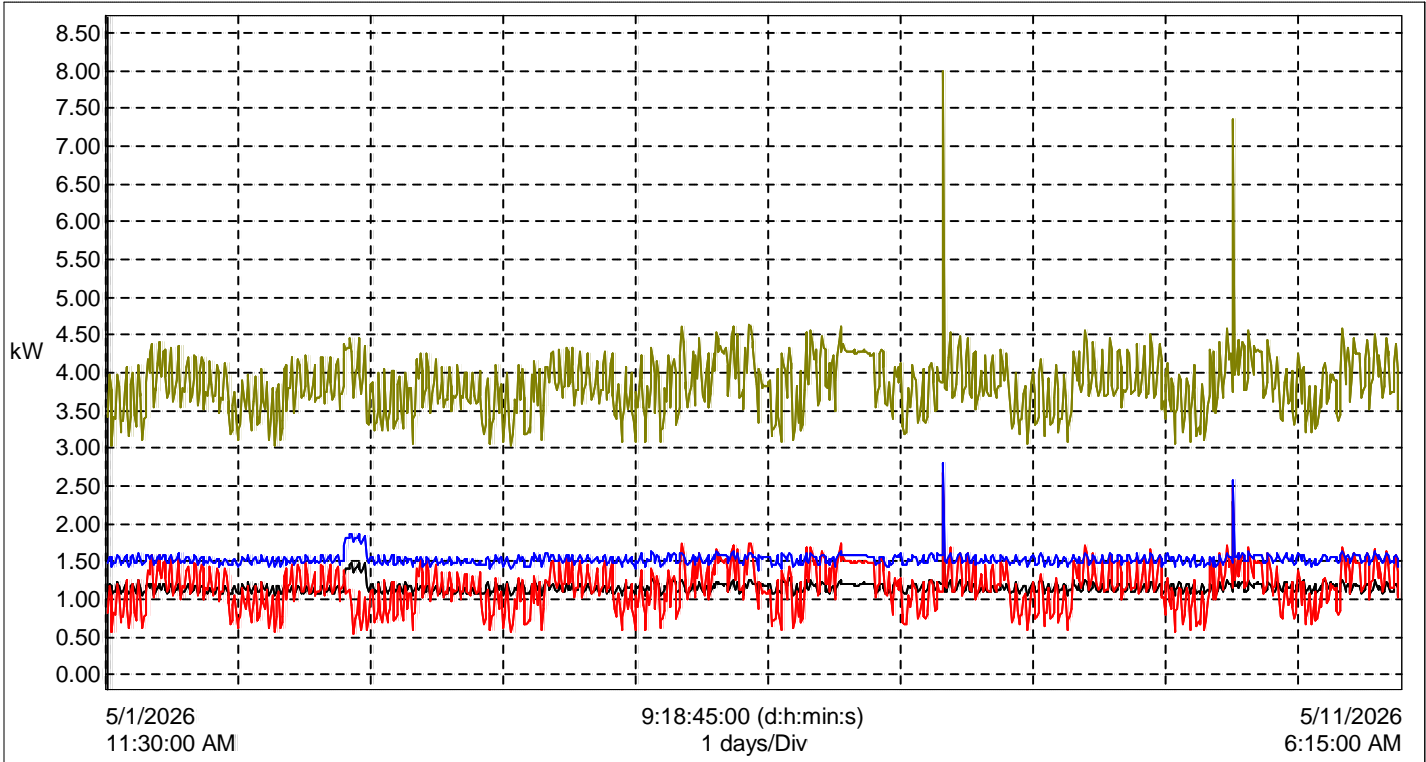
I1 (15 min) (A)			
Date	Time	Val	Units
5/1/2026	11:45:00 AM	4.808	A
5/1/2026	12:00:00 PM	5.434	A
5/1/2026	12:15:00 PM	5.214	A
5/1/2026	12:30:00 PM	4.446	A
5/1/2026	12:45:00 PM	4.830	A
5/1/2026	1:00:00 PM	4.821	A
5/1/2026	1:15:00 PM	5.473	A
5/1/2026	1:30:00 PM	5.462	A
5/1/2026	1:45:00 PM	5.277	A
5/1/2026	2:00:00 PM	4.650	A
5/1/2026	2:15:00 PM	4.770	A
5/1/2026	2:30:00 PM	4.781	A
5/1/2026	2:45:00 PM	5.223	A

Exceptions

Name	Date	Time	Duration	Duration Units	MIN	MAX	AVG	Units

Active Power P (kW)

Name	AVG	MIN	MAX	Units
P1 (15 min)	1.155	1.045	2.516	kW
P1+ (15 min)	1.155	1.045	2.516	kW
P1- (15 min)	---	NA	NA	W
P2 (15 min)	1.152k	549.0	2.668k	W



5/1/2026 - 11:45:00 AM

Value

- 1.104k — P1 (15 min) (W)
- 812.0 — P2 (15 min) (W)
- 1.489k — P3 (15 min) (W)

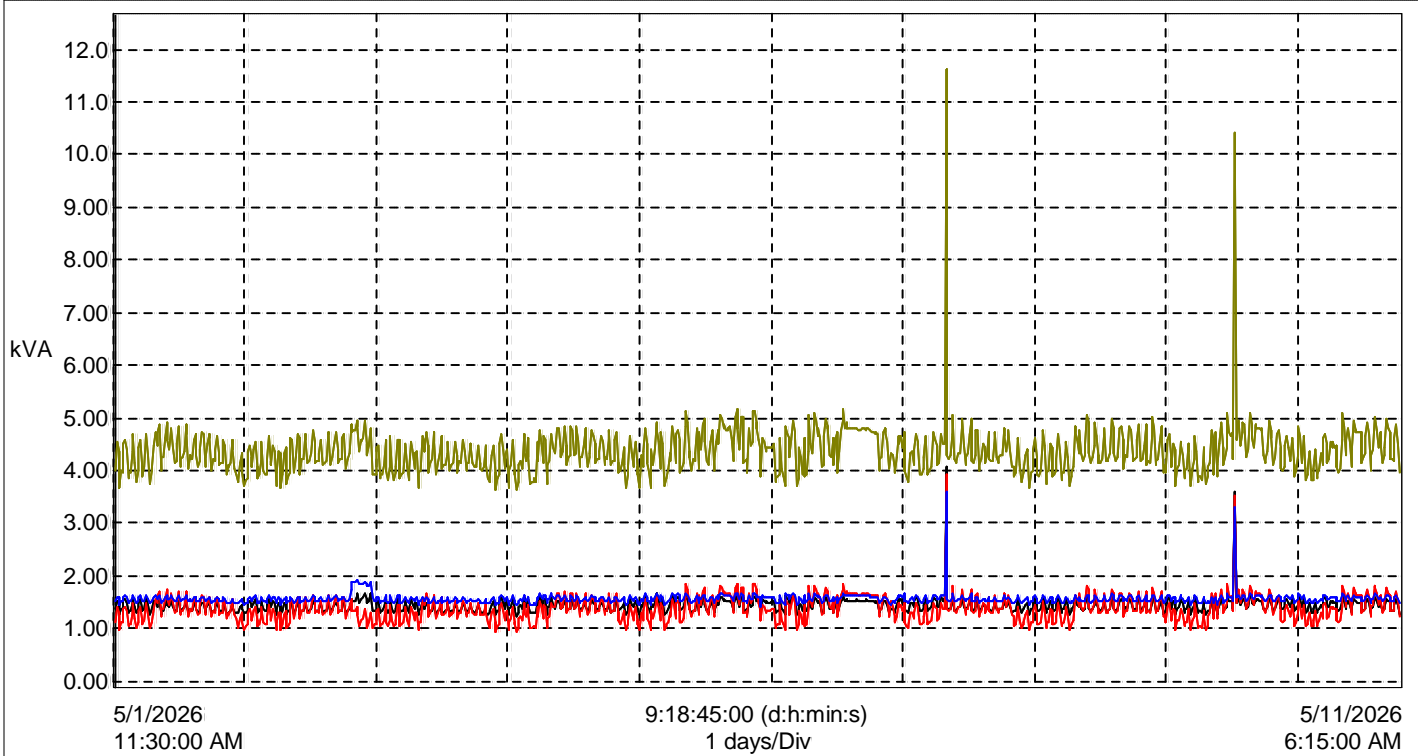
P1 (15 min) (W)			
Date	Time	Val	Units
5/1/2026	11:45:00 AM	1.104	kW
5/1/2026	12:00:00 PM	1.208	kW
5/1/2026	12:15:00 PM	1.172	kW
5/1/2026	12:30:00 PM	1.048	kW
5/1/2026	12:45:00 PM	1.112	kW
5/1/2026	1:00:00 PM	1.110	kW
5/1/2026	1:15:00 PM	1.223	kW
5/1/2026	1:30:00 PM	1.213	kW
5/1/2026	1:45:00 PM	1.184	kW
5/1/2026	2:00:00 PM	1.079	kW
5/1/2026	2:15:00 PM	1.102	kW
5/1/2026	2:30:00 PM	1.104	kW
5/1/2026	2:45:00 PM	1.174	kW

Exceptions

Name	Date	Time	Duration	Duration Units	MIN	MAX	AVG	Units

Apparent Power S (kVA)

Name	AVG	MIN	MAX	Units
S1 (15 min)	1.434	1.243	4.089	kVA
S1+ (15 min)	1.434	1.243	4.089	kVA
S1- (15 min)	---	NA	NA	VA
S2 (15 min)	1.373k	944.0	3.932k	VA



5/1/2026 - 11:45:00 AM

Value

- 1.356k — S1 (15 min) (VA)
- 1.119k — S2 (15 min) (VA)
- 1.514k — S3 (15 min) (VA)

S1 (15 min) (VA)

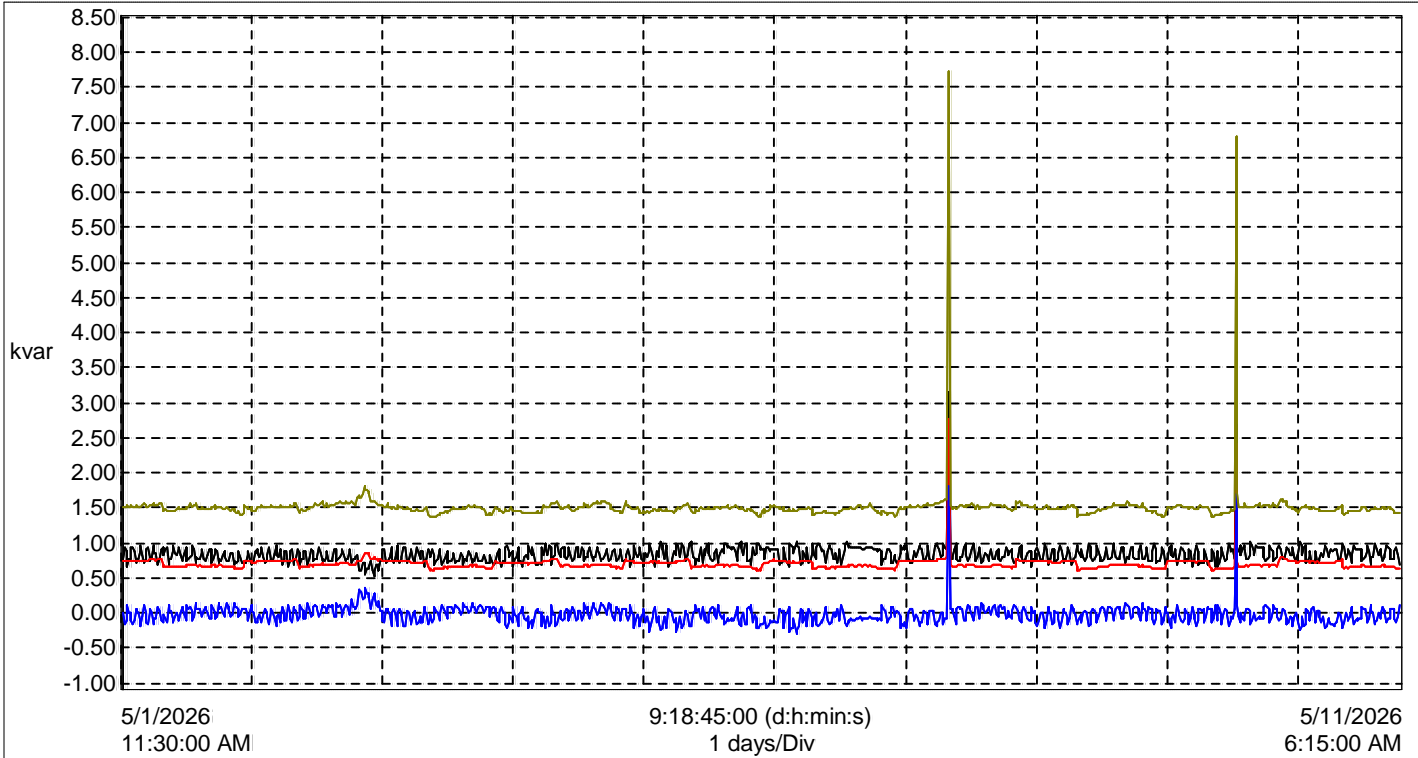
Date	Time	Val	Units
5/1/2026	11:45:00 AM	1.356	kVA
5/1/2026	12:00:00 PM	1.533	kVA
5/1/2026	12:15:00 PM	1.471	kVA
5/1/2026	12:30:00 PM	1.254	kVA
5/1/2026	12:45:00 PM	1.362	kVA
5/1/2026	1:00:00 PM	1.360	kVA
5/1/2026	1:15:00 PM	1.541	kVA
5/1/2026	1:30:00 PM	1.540	kVA
5/1/2026	1:45:00 PM	1.489	kVA
5/1/2026	2:00:00 PM	1.306	kVA
5/1/2026	2:15:00 PM	1.346	kVA
5/1/2026	2:30:00 PM	1.349	kVA
5/1/2026	2:45:00 PM	1.472	kVA

Exceptions

Name	Date	Time	Duration	Duration Units	MIN	MAX	AVG	Units

Reactive Power Q (kvar)

Name	AVG	MIN	MAX	Units
Q1 (15 min)	830.2	526.0	3.147k	var
Q1+ (15 min)	830.2	526.0	3.147k	var
Q1- (15 min)	---	NA	NA	var
Q2 (15 min)	699.1	609.0	2.760k	var



5/1/2026 - 11:45:00 AM

Value

- 744.0 — Q2 (15 min) (var)
- 0.0 — Q3 (15 min) (var)
- 1.515k — QT (15 min) (var)

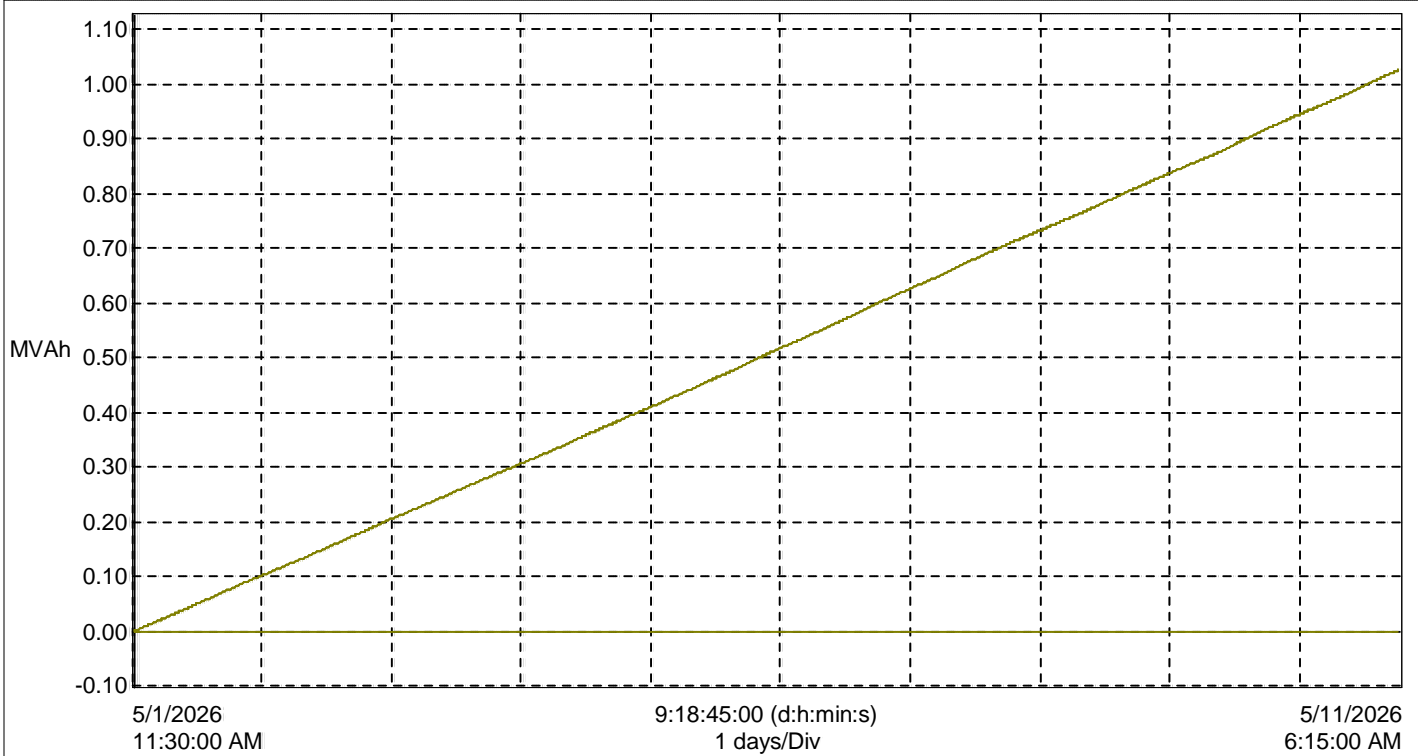
Q1 (15 min) (var)			
Date	Time	Val	Units
5/1/2026	11:45:00 AM	771.0	var
5/1/2026	12:00:00 PM	931.0	var
5/1/2026	12:15:00 PM	875.0	var
5/1/2026	12:30:00 PM	666.0	var
5/1/2026	12:45:00 PM	771.0	var
5/1/2026	1:00:00 PM	768.0	var
5/1/2026	1:15:00 PM	923.0	var
5/1/2026	1:30:00 PM	937.0	var
5/1/2026	1:45:00 PM	888.0	var
5/1/2026	2:00:00 PM	716.0	var
5/1/2026	2:15:00 PM	756.0	var
5/1/2026	2:30:00 PM	760.0	var
5/1/2026	2:45:00 PM	874.0	var

Exceptions

Name	Date	Time	Duration	Duration Units	MIN	MAX	AVG	Units

Apparent Energy Es (kVAh)

Name	MIN	MAX	Units
Es (15 min)	0.0	1.026M	VAh
Es+ (15 min)	0.0	1.026M	VAh
Es- (15 min)	0.0	0.0	VAh



5/1/2026 - 11:30:00 AM

Value

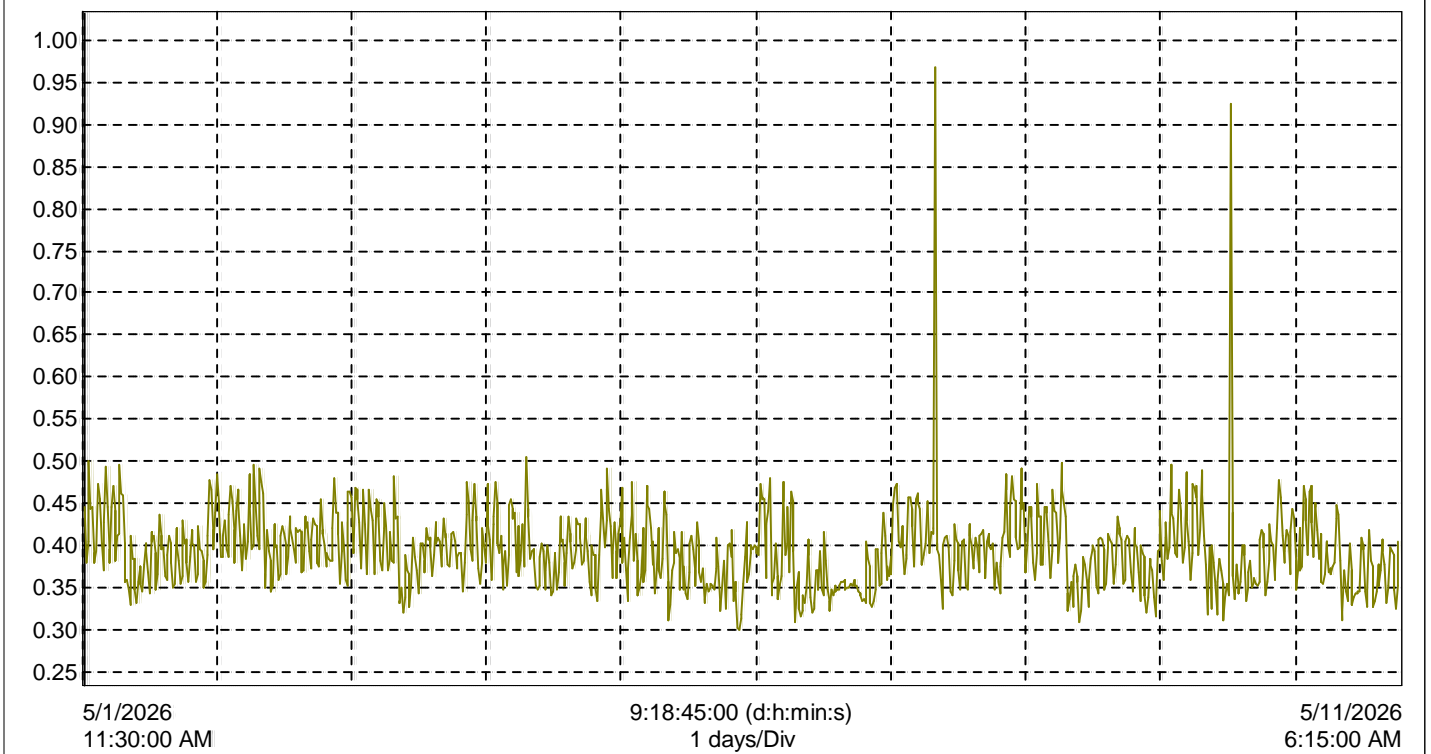
- 0.0 — Es (15 min) (VAh)
- 0.0 — Es+ (15 min) (VAh)
- 0.0 — Es- (15 min) (VAh)

Es (15 min) (VAh)

Date	Time	Val	Units
5/1/2026	11:30:00 AM	0.0	VAh
5/1/2026	11:45:00 AM	997.0	VAh
5/1/2026	12:00:00 PM	2.133	kVAh
5/1/2026	12:15:00 PM	3.220	kVAh
5/1/2026	12:30:00 PM	4.139	kVAh
5/1/2026	12:45:00 PM	5.137	kVAh
5/1/2026	1:00:00 PM	6.131	kVAh
5/1/2026	1:15:00 PM	7.263	kVAh
5/1/2026	1:30:00 PM	8.406	kVAh
5/1/2026	1:45:00 PM	9.506	kVAh
5/1/2026	2:00:00 PM	10.47	kVAh
5/1/2026	2:15:00 PM	11.45	kVAh
5/1/2026	2:30:00 PM	12.44	kVAh
5/1/2026	2:45:00 PM	13.53	kVAh
5/1/2026	3:00:00 PM	14.70	kVAh
5/1/2026	3:15:00 PM	15.74	kVAh
5/1/2026	3:30:00 PM	16.68	kVAh
5/1/2026	3:45:00 PM	17.68	kVAh
5/1/2026	4:00:00 PM	18.79	kVAh
5/1/2026	4:15:00 PM	19.94	kVAh

Tan Φ

Name	AVG	MIN	MAX	Units
Tan Φ + (15 min)	0.395	0.301	0.967	
Tan Φ - (15 min)	---	NA	NA	



5/1/2026 - 11:45:00 AM

Value

- X.XX — Tan Φ - (15 min) ()
- 0.445 — Tan Φ + (15 min) ()

Tan Φ + (15 min) ()

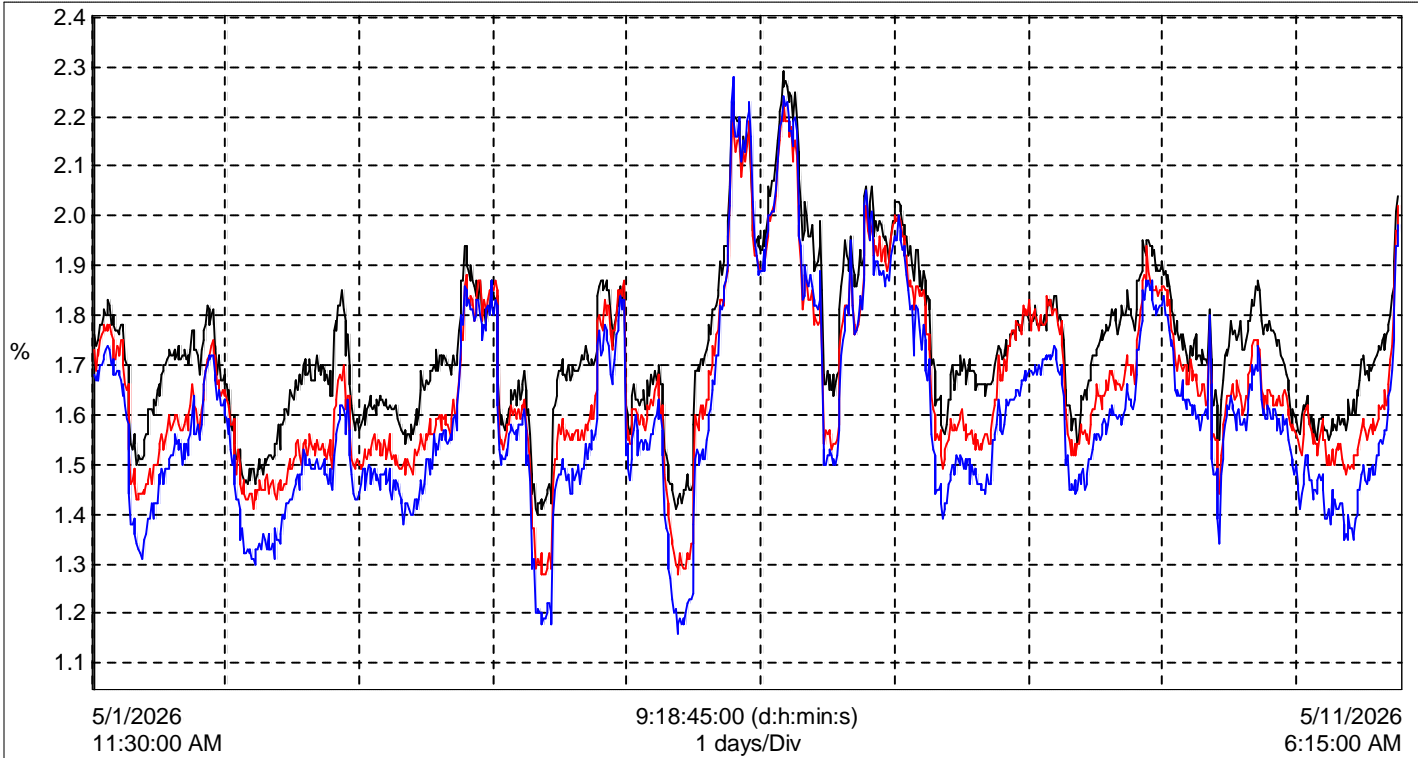
Date	Time	Val
5/1/2026	11:45:00 AM	0.445
5/1/2026	12:00:00 PM	0.379
5/1/2026	12:15:00 PM	0.404
5/1/2026	12:30:00 PM	0.500
5/1/2026	12:45:00 PM	0.444
5/1/2026	1:00:00 PM	0.445
5/1/2026	1:15:00 PM	0.392
5/1/2026	1:30:00 PM	0.379
5/1/2026	1:45:00 PM	0.394
5/1/2026	2:00:00 PM	0.472
5/1/2026	2:15:00 PM	0.455
5/1/2026	2:30:00 PM	0.452
5/1/2026	2:45:00 PM	0.403

Exceptions

Name	Date	Time	Duration	Duration Units	MIN	MAX	AVG	Units

Phase-to-Neutral Total Harmonic Distortion

Name	AVG	MIN	MIN date	MIN time	MAX	MAX date	MAX time	Units
V1THD (15 min)	1.734	1.400	5/4/2026	7:15:00 PM	2.290	5/6/2026	3:30:00 PM	%
V2THD (15 min)	1.657	1.280	5/4/2026	8:15:00 PM	2.230	5/6/2026	3:45:00 PM	%
V3THD (15 min)	1.601	1.160	5/5/2026	8:30:00 PM	2.280	5/6/2026	6:30:00 AM	%



5/1/2026 - 11:45:00 AM

Value

- 1.760 — V1THD (15 min) (%)
- 1.730 — V2THD (15 min) (%)
- 1.680 — V3THD (15 min) (%)

V1THD (15 min) (%)

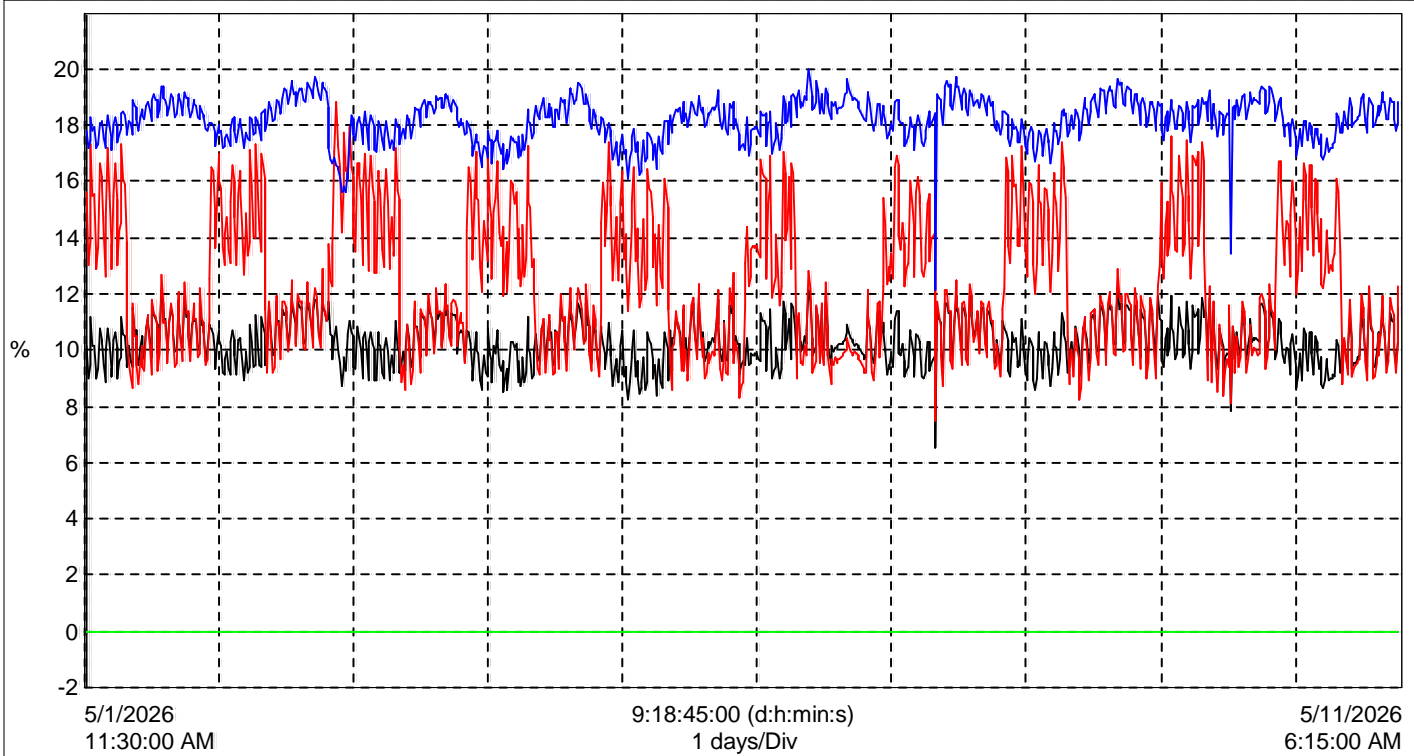
Date	Time	Val	Units
5/1/2026	11:45:00 AM	1.760	%
5/1/2026	12:00:00 PM	1.740	%
5/1/2026	12:15:00 PM	1.750	%
5/1/2026	12:30:00 PM	1.750	%
5/1/2026	12:45:00 PM	1.780	%
5/1/2026	1:00:00 PM	1.780	%
5/1/2026	1:15:00 PM	1.800	%
5/1/2026	1:30:00 PM	1.810	%
5/1/2026	1:45:00 PM	1.800	%
5/1/2026	2:00:00 PM	1.800	%
5/1/2026	2:15:00 PM	1.830	%
5/1/2026	2:30:00 PM	1.820	%
5/1/2026	2:45:00 PM	1.780	%

Exceptions

Name	Date	Time	Duration	Duration Units	MIN	MAX	AVG	Units

Current Total Harmonic Distortion

Name	AVG	MIN	MIN date	MIN time	MAX	MAX date	MAX time	Units
I1THD (15 min)	10.29	6.520	5/7/2026	7:30:00 PM	12.20	5/9/2026	4:00:00 AM	%
I2THD (15 min)	12.32	7.480	5/7/2026	7:30:00 PM	18.84	5/3/2026	8:15:00 AM	%
I3THD (15 min)	18.19	12.12	5/7/2026	7:30:00 PM	19.96	5/6/2026	8:45:00 PM	%
INTHD (15 min)	0.0	0.0	5/1/2026	11:45:00 AM	0.0	5/1/2026	11:45:00 AM	%



5/1/2026 - 11:45:00 AM

Value

- 10.14 — I1THD (15 min) (%)
- 15.60 — I2THD (15 min) (%)
- 17.81 — I3THD (15 min) (%)

I1THD (15 min) (%)			
Date	Time	Val	Units
5/1/2026	11:45:00 AM	10.14	%
5/1/2026	12:00:00 PM	8.990	%
5/1/2026	12:15:00 PM	9.460	%
5/1/2026	12:30:00 PM	11.18	%
5/1/2026	12:45:00 PM	10.16	%
5/1/2026	1:00:00 PM	10.15	%
5/1/2026	1:15:00 PM	9.170	%
5/1/2026	1:30:00 PM	9.000	%
5/1/2026	1:45:00 PM	9.320	%
5/1/2026	2:00:00 PM	10.78	%
5/1/2026	2:15:00 PM	10.36	%
5/1/2026	2:30:00 PM	10.27	%
5/1/2026	2:45:00 PM	9.440	%

Exceptions

Name	Date	Time	Duration	Duration Units	MIN	MAX	AVG	Units

Configuration

Database File Name	MCCY.dvb
Recording status	
Session name	MCCY
Recording start	5/1/2026 11:28:21 AM
Recording end	5/11/2026 6:13:21 AM
Recording duration	9 days, 18:45:00 (h:min:s)
1 s trend	No
200 ms trend	No
1 s harmonics	No
Aggregated harmonics	No
Instrument ID	
PEL model	PEL113
PEL serial number	108822AAH
PEL name	PEL113-108822AAH
PEL location	St Josephs
Firmware DSP version	1.96
Firmware microprocessor version	1.14
Hardware version	
Measurement configuration and status	
Aggregation period	15 min
Electrical hook-up	3-phase 4-wire Y
Nominal frequency	Auto
Primary nominal voltage	- - -
Secondary nominal voltage	- - -
Current sensor I1	MA193/MA194/A193/A196
Current sensor I2	MA193/MA194/A193/A196
Current sensor I3	MA193/MA194/A193/A196
Line flexible sensor range	400 A
Line flexible sensor wraps	1

