

2017/07/26 (Wednesday) Daily Trends and Statistics

3350 Scott Blvd, Bldg 55 Unit 1, Santa Clara, CA 95054 USA

Trends and Statistics

Type: Daily
Date: 2017/07/26
Day of Week: Wednesday
Coverage: 100.0%

PQube 3 Information

Location: 3350 Scott Blvd, Bldg 55 Unit 1, Santa Clara, CA 95054 USA
PQube 3 ID: PowerCET Main
Note 1: Utility: Silicon Valley Power
Note 2: Service: 400A @ 208/120Vac 3P4W
PQube 3 Serial Number: P3001328
Model Number: PQube3-PQ-E08N-0000
Firmware Version: 3.5.3.17.06.05
IP Address: 198.0.217.60

Configuration

Power Configuration: Wye/Star
Nominal Line-to-Neutral Voltage: 120V
Nominal Line-to-Line Voltage: 208V
Nominal Frequency: 60Hz
Potential Transformer Ratio: 1:1
Current Transformer Ratio: 75:0.25

Trend Summary

2017/07/26			
Channel	Min	Avg	Max
L-N RMS 1/2 (1-cyc)	117.4V	121.3V	123.2V

L1-N RMS 1/2 (1-cyc)	117.4V	121.0V	122.6V
L2-N RMS 1/2 (1-cyc)	118.4V	121.6V	123.2V
L3-N RMS 1/2 (1-cyc)	118.0V	121.2V	123.1V
N-E RMS 1/2 (1-cyc)	0.04V	0.04V	0.14V
L-L RMS 1/2 (1-cyc)	203.8V	210.1V	213.4V
L1-L2 RMS 1/2 (1-cyc)	204.2V	210.2V	212.9V
L2-L3 RMS 1/2 (1-cyc)	204.0V	210.3V	213.4V
L3-L1 RMS 1/2 (1-cyc)	203.8V	209.7V	212.3V
Current RMS 1/2 (1-cyc)	2.6A	14.4A	110.8A
L1 Current RMS 1/2 (1-cyc)	3.6A	13.0A	99.6A
L2 Current RMS 1/2 (1-cyc)	5.1A	16.5A	110.8A
L3 Current RMS 1/2 (1-cyc)	2.6A	13.7A	105.3A
Frequency (1-cyc)	59.949Hz	59.999Hz	60.056Hz
Unbalance V	8370.17%	61457.15%	5533556.50%
Unbalance V1	0.04%	127.74%	12007.59%
THD-V	1.81%	2.07%	2.52%
THD-V L1-N	1.81%	2.02%	2.45%
THD-V L2-N	1.89%	2.09%	2.52%
THD-V L3-N	1.83%	2.11%	2.48%
TDD-A	0.00%	26.02%	74.55%
TDD-A L1	5.24%	28.29%	74.55%
TDD-A L2	7.32%	32.33%	68.08%
TDD-A L3	0.00%	17.47%	58.71%
Apparent Power	1.44kVA	5.26kVA	37.15kVA
Apparent Power L1	0.43kVA	1.58kVA	11.86kVA
Apparent Power L2	0.62kVA	2.01kVA	13.25kVA
Apparent Power L3	0.31kVA	1.66kVA	12.52kVA
Reactive Power	-0.13kVAR	1.22kVAR	16.07kVAR
Reactive Power L1	-0.03kVAR	0.38kVAR	5.37kVAR
Reactive Power L2	-0.97kVAR	0.61kVAR	7.69kVAR
Reactive Power L3	-0.57kVAR	0.23kVAR	5.51kVAR
Real Power	1.30kW	4.82kW	32.83kW
Real Power L1	-0.15kW	1.46kW	10.32kW

Real Power L2	0.61kW	1.82kW	11.41kW
Real Power L3	0.27kW	1.54kW	11.57kW
tPF	0.74	0.95	0.99
tPF L1	0.64	0.96	0.99
tPF L2	0.46	0.93	1.00
tPF L3	0.75	0.97	1.00

Energy

2017/07/26		
Channel	Today	since 2017/01/30
Apparent Energy	126.3kVAh	8.863MVAh
Energy	115.6kWh	7.749MWh

Cumulative Probability

2017/07/26				
Channel	Percent of Time	Between		
L-N RMS 1/2 (1-cyc)	50%	120.3V	~	122.1V
	95%	119.2V	~	122.7V
	99%	118.9V	~	122.8V
	99.5%	118.7V	~	123.0V
Frequency (1-cyc)	50%	59.961Hz	~	60.000Hz
	95%	59.949Hz	~	60.026Hz
	99%	59.949Hz	~	60.039Hz
	99.5%	59.949Hz	~	60.039Hz
THD-V	50%	1.28%	~	1.28%
	95%	1.28%	~	1.28%
	99%	1.28%	~	1.28%
	99.5%	1.28%	~	1.28%
THDi	50%	12.79%	~	35.83%

	95%	0.00%	~	53.75%
	99%	0.00%	~	60.15%
	99.5%	0.00%	~	65.28%
V Unbal Zero Seq	50%	1320.95%	~	1320.95%
	95%	1320.95%	~	1320.95%
	99%	1320.95%	~	1320.95%
	99.5%	1320.95%	~	1320.95%
V Unbal Neg Seq	50%	30.72%	~	163.83%
	95%	0.04%	~	460.79%
	99%	0.04%	~	706.55%
	99.5%	0.04%	~	860.15%

Load Duration

2017/07/26		
Channel	Percent of Time	Exceeded
Current RMS 1/2 (1-cyc)	0.1%	52.7A
	1%	46.1A
	10%	30.7A
	50%	7.6A

Data from the PSL PQube® 3