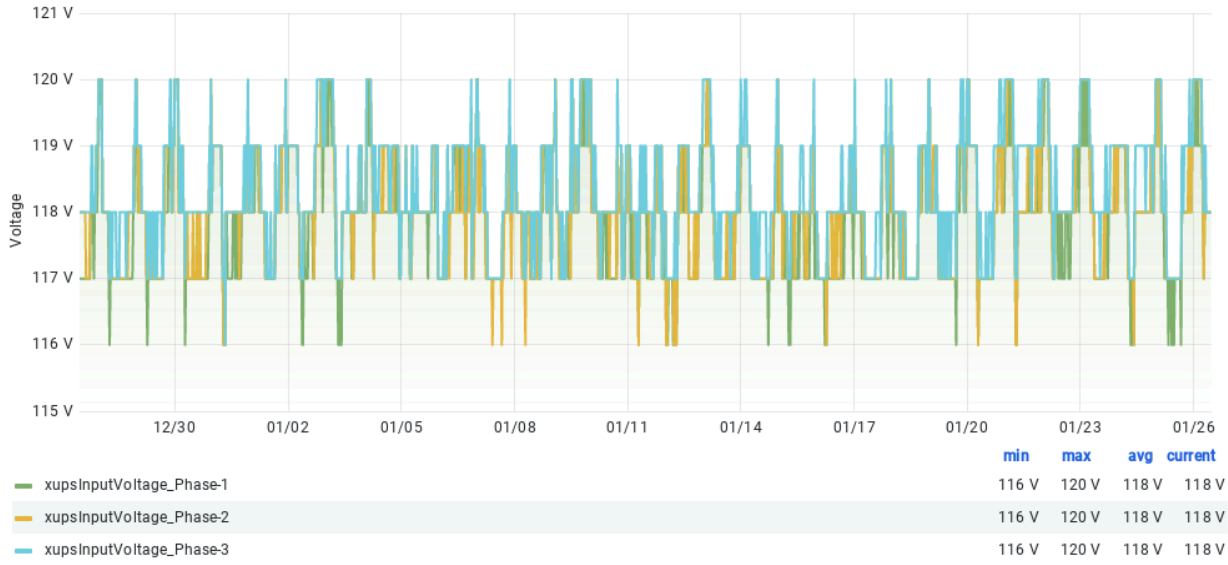
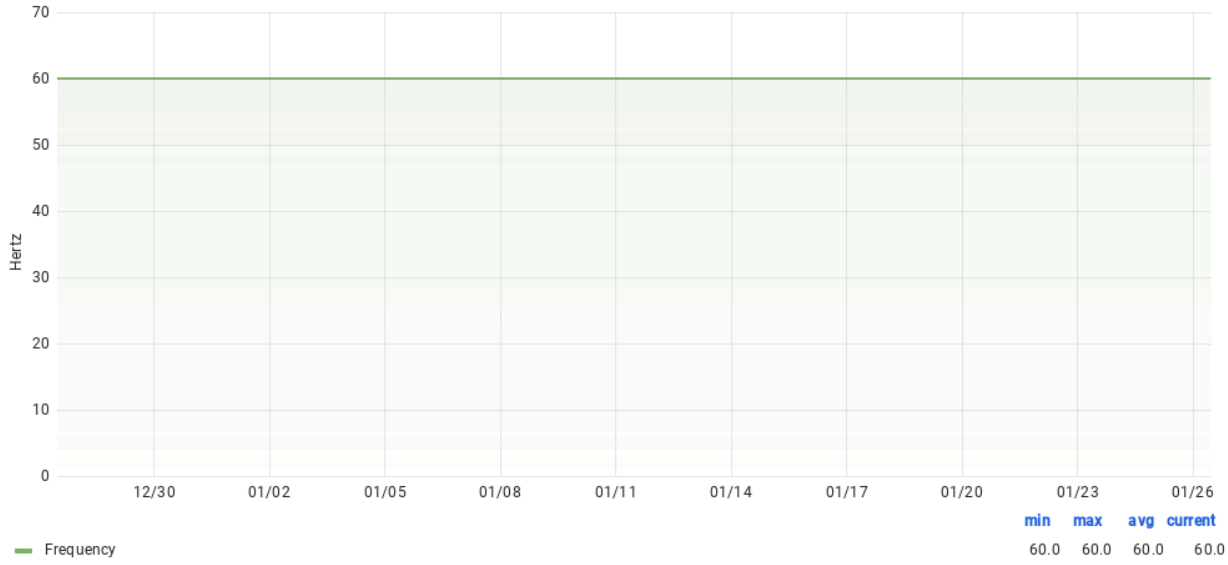
dc-3558-b-ups.cs.uwaterloo.ca - Input Voltage

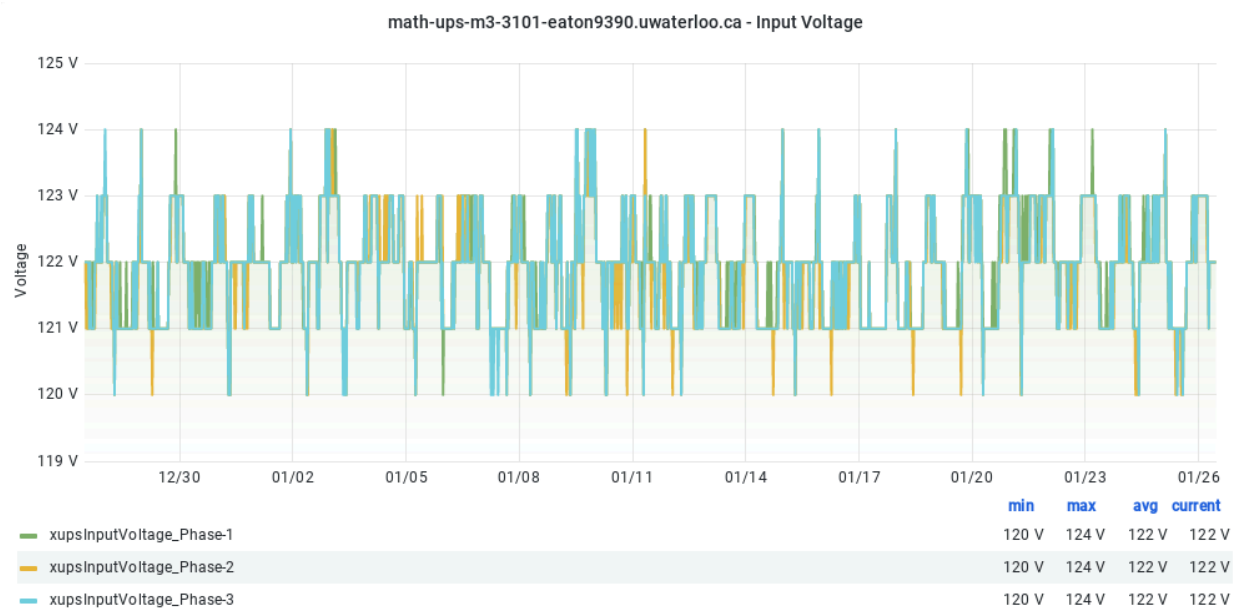


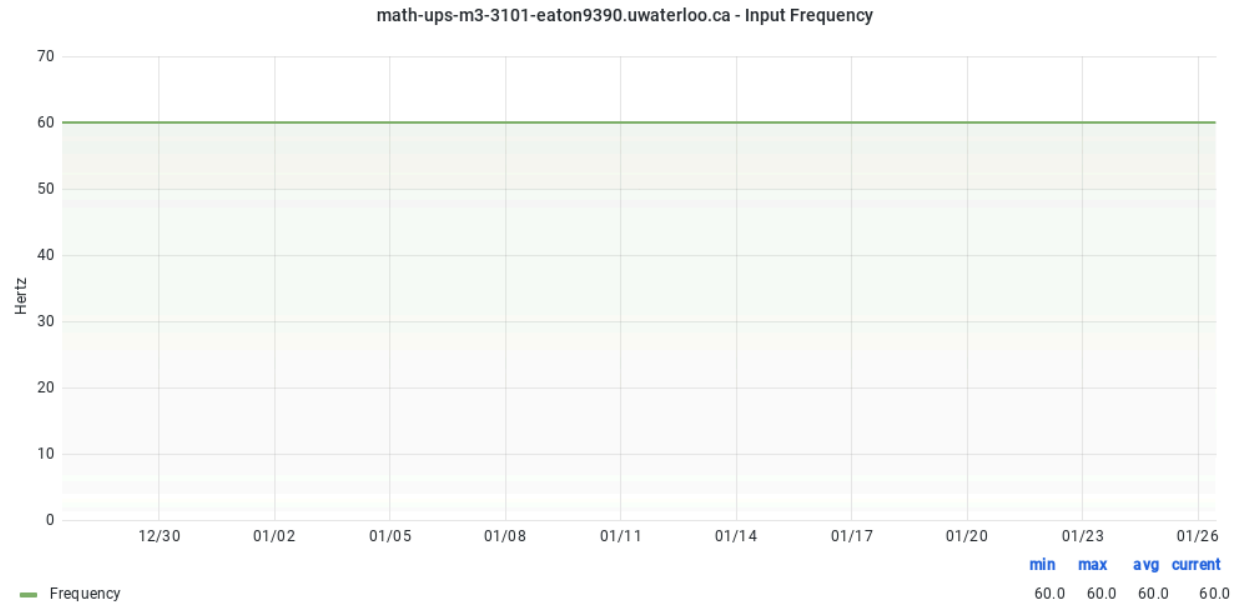
	min	max	avg	current
xupsInputVoltage_Phase-1	116 V	120 V	118 V	118 V
xupsInputVoltage_Phase-2	116 V	120 V	118 V	118 V
xupsInputVoltage_Phase-3	116 V	120 V	118 V	118 V

math-ups-m3-3101-eaton9390.uwaterloo.ca - Input Frequency



	min	max	avg	current
Frequency	60.0	60.0	60.0	60.0


math-ups-m3-3101-eaton9390.uwaterloo.ca - Input Voltage
125 V
124 V
123 V
122 V
121 V
120 V
119 V
Voltage
12/30
01/02
01/05
01/08
01/11
01/14
01/17
01/20
01/23
01/26
min max avg current
xupsInputVoltage_Phase-1 120 V 124 V 122 V 122 V
xupsInputVoltage_Phase-2 120 V 124 V 122 V 122 V
xupsInputVoltage_Phase-3 120 V 124 V 122 V 122 V


math-ups-m3-3101-eaton9390.uwaterloo.ca - Input Frequency
70
60
50
40
30
20
10
0
Hertz
12/30
01/02
01/05
01/08
01/11
01/14
01/17
01/20
01/23
01/26
min max avg current
Frequency 60.0 60.0 60.0 60.0

MC 3015 Rack B2

Eaton 9PX6K

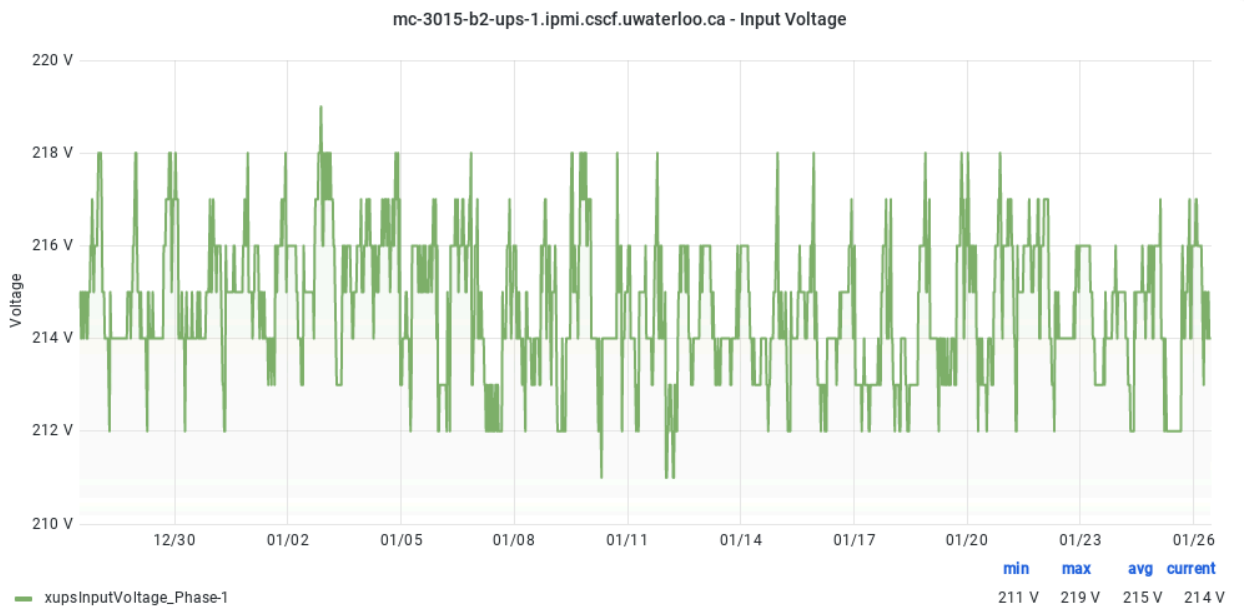


Table 4. Electrical input

Nominal frequency	50/60Hz auto-sensing
Frequency range	50Hz : 40-60Hz before transfer to battery 60Hz : 50-70Hz before transfer to battery
Bypass voltage range	-20% / +15% of nominal value (default)
Noise filtering	MOV for normal and common mode noise

Model	**Default input (Voltage/Current)**	**Selectable input Voltage range**	**Voltages at 100% load**
9PX5K	208V / 23.3A	200V, 208V, 220V, 230V, 240V	176-276V
9PX6K, 9PX6KG	208V / 24.8A		

Recommended Voltage Variation Limits

Applicable to Circuits up to 1000 V, at Service Entrances

	NOMINAL SYSTEM VOLTAGE(V)	NORMAL OPERATING CONDITIONS		EXTREME OPERATING CONDITIONS	
		Min (V)	Max (V)	Min (V)	Max (V)
SINGLE PHASE SYSTEM	120/240	110/220	125/250	106/212	127/254
	600	550	625	530	635
THREE PHASE SYSTEM (4-WIRE) [3-PH GROUNDED Y]	120/208	112/194	125/216	110/190	127/220
	347/600	318/550	360/625	306/530	367/635
THREE PHASE SYSTEM (3-WIRE)	240	220	250	212	254
	600	550	625	530	635

Source: CSA Standard CAN3-C235-83 (reaffirmed in 2015)
Screenshot from [Hydro One - Power Quality Definitions] 2022-01-26

Table 2.3 - Recommended Voltage Variation Limits at Utilization Points

Nominal Voltage	Voltage Variation Limits			
		Extreme Operating Conditions		
		Normal Operating Conditions		
Single-Phase				
120/240	106/212	110/220	125/250	127/254
Three-Phase 4-Wire				
208/120	190/110	194/112	216/125	220/127
600/347	530/306	550/318	625/360	635/367