	Root Device Object List					
Object-Identifier	**Object-Name**	**Units**	**COV-Increment**	**Min. Value**	**Max. Value**	**Notes**
Device	User Configurable		None	None	None	Default is "Setra Power Meter"
Analog Input-1	Vin1 Line 1 Measured Line-Neutral Voltage (L1-N)	volts	1	0	100000	
Analog Input-2	Vin1 Line 2 Measured Line-Neutral Voltage (L2-N)	volts	1	0	100000	
Analog Input-3	Vin1 Line 3 Measured Line-Neutral Voltage (L3-N)	volts	1	0	100000	
Analog Input-4	Vin1 Line 1 - Line 2 Measured Voltage (L1-L2)	volts	1	0	100000	
Analog Input-5	Vin1 Line 2 - Line 3 Measured Voltage (L2-L3)	volts	1	0	100000	
Analog Input-6	Vin1 Line 3 - Line 1 Measured Voltage (L3-L1)	volts	1	0	100000	
Analog Input-7	Vin1 Line 1 Phase Angle	degrees-phase	18	-360	360	Units writable to radians (103) or degrees-phase (14).
Analog Input-8	Vin1 Line 2 Phase Angle	degrees-phase	18	-360	360	Units writable to radians (103) or degrees-phase (14).
Analog Input-9	Vin1 Line 3 Phase Angle	degrees-phase	18	-360	360	Units writable to radians (103) or degrees-phase (14).
Analog Input-10	Vin1 Line 1 Harmonic Distortion	percent	1	0	100	
Analog Input-11	Vin1 Line 2 Harmonic Distortion	percent	1	0	100	
Analog Input-12	Vin1 Line 3 Harmonic Distortion	percent	1	0	100	
Analog Input-13	Vin1 Frequency	hertz	1	45	65	
Analog Input-14	Vin1 Total Energy Usage	kilowatt-hours	0.1	0	max(float)	
Analog Input-21	Vin2 Line 1 Measured Line-Neutral Voltage (L1-N)	volts	1	0	100000	
Analog Input-22	Vin2 Line 2 Measured Line-Neutral Voltage (L2-N)	volts	1	0	100000	
Analog Input-23	Vin2 Line 1 Measured Line-Neutral Voltage (L3-N)	volts	1	0	100000	
Analog Input-24	Vin2 Line 1 - Line 2 Measured Voltage (L1-L2)	volts	1	0	100000	
Analog Input-25	Vin2 Line 2 - Line 3 Measured Voltage (L2-L3)	volts	1	0	100000	
Analog Input-26	Vin2 Line 3 - Line 1 Measured Voltage (L3-L1)	volts	1	0	100000	
Analog Input-27	Vin2 Line 1 Phase Angle	degrees-phase	18	-360	360	Units writable to radians (103) or degrees-phase (14).
Analog Input-28	Vin2 Line 2 Phase Angle	degrees-phase	18	-360	360	Units writable to radians (103) or degrees-phase (14).
Analog Input-29	Vin2 Line 3 Phase Angle	degrees-phase	18	-360	360	Units writable to radians (103) or degrees-phase (14).
Analog Input-30	Vin2 Line 1 Harmonic Distortion	percent	1	0	100	
Analog Input-31	Vin2 Line 2 Harmonic Distortion	percent	1	0	100	
Analog Input-32	Vin2 Line 3 Harmonic Distortion	percent	1	0	100	
Analog Input-33	Vin2 Frequency	hertz	1	45	65	
Analog Input-34	Vin2 Total Energy Usage	kilowatt-hours	0.1	0	max(float)	
Notification Class-1	Event Notification Class	no-units	None	None	None	
Multistate Value-1	Vin1 Service Type	no-units	None	None	None	1 = 4-Wire wye 2 = 3-Wire delta 3 = Reserved 4 = 3-Wire single phase (split-phase) 5 = 2-Wire single phase
Multistate Value 2	Vin2 Service Type	no-units	None	None	None	1 = 4-Wire wye 2 = 3-Wire delta 3 = Reserved 4 = 3-Wire single phase (split-phase) 5 = 2-Wire single phase
Pulse Converter-1	Pulse Input #1	user-configurable	1	0	0	
Pulse Converter-2	Pulse Input #2	user-configurable	1	0	0	
Large Analog Value-1	Vin1 Total Energy Usage	kilowatt-hours				
Large Analog Value-2	Vin2 Total Energy Usage	kilowatt-hours				

Object-Identifier	Object-Name	Units	COV-Increment	Min. Value	Max. Value	Notes
			Load Device(s) Object List			
Device	User Configurable		None	None	None	
Analog Input-1	Line 1 Measured Line-Neutral Voltage (L1-N)	volts	1	0	100000	
Analog Input-2	Line 2 Measured Line-Neutral Voltage (L2-N)	volts	1	0	100000	
Analog Input-3	Line 3 Measured Line-Neutral Voltage (L3-N)	volts	1	0	100000	
Analog Input-4	Line 1 - Line 2 Measured Voltage (L1-L2)	volts	1	0	100000	
Analog Input-5	Line 2 - Line 3 Measured Voltage (L2-L3)	volts	1	0	100000	
Analog Input-6	Line 3 - Line 1 Measured Voltage (L3-L2)	volts	1	0	100000	
Analog Input-7	Frequency	hertz	1	45	65	
Analog Input-8	Total Real Power (kW)	kilowatts	0.5	min(float)	max(float)	
Analog Input-9	Total Amperage (A)	amperes	0.5	0	6000	
Analog Input-10	Total Reactive Power (kvar)	kilo-volt-amperes-reactive	0.5	min(float)	max(float)	
Analog Input-11	Total Apparent Power Factor (aPF)	power-factor	0.1	-1	1	
Analog Input-12	Total Displacement Power Factor (dPF)	power-factor	0.1	-1	1	
Analog Input-13	Total Apparent Power (kVA)	kilo-volt-amperes	0.5	min(float)	max(float)	
Analog Input-14	Total Harmonic Distortion (THD)	percent	1	0	100	
Analog Input-15	Total Peak Demand (PD)	kilowatts	1	0	max(float)	
Analog Input-16	3-phase Current Unbalance	percent	1	0	100	
Analog Input-17	Total Power Demand	kilowatts	1	0	max(float)	
Analog Input-30	CT# 1 Amperage (A)	amperes	0.5	0	6000	AI 30 to AI 52 are reserved for the first CT (phase_L1); AI 60 to AI 82 are reserved for the second CT (phase_L2); AI 90 to AI 112 are reserved for the third CT (phase_L3)
Analog Input-31	CT# 1 Demand	kilowatts	1	min(float)	max(float)	
Analog Input-32	CT# 1 Real Power (kW)	kilowatts	1	min(float)	max(float)	
Analog Input-33	CT# 1 Apparent Power (kVA)	kilo-volt-amperes	1	min(float)	max(float)	
Analog Input-34	CT# 1 Reactive Power (kvar)	kilo-volt-amperes-reactive	1	min(float)	max(float)	
Analog Input-35	CT# 1 Harmonic Distortion (HD)	percent	1	0	100	
Analog Input-36	CT# 1 Apparent Power Factor (aPF)	power-factor	0.1	-1	1	
Analog Input-37	CT# 1 Displacement Power Factor (dPF)	power-factor	0.1	-1	1	
Analog Input-38	CT# 1 Kilowatt Hours (kWh)	kilowatt-hours	1	min(float)	max(float)	
Analog Input-39	CT# 1 Kilovolt Ampere Reactive Hours (kvarh)	kilo-volt-amperes-reactive-hours	1	min(float)	max(float)	
Analog Input-40	CT# 1 Kilovolt Ampere Hours (kVAh)	kilo-volt-amperes-hours	1	min(float)	max(float)	
Analog Input-41	CT# 1 Export Kilowatt Hours (kWh-)	kilowatt-hours	1	0	max(float)	
Analog Input-42	CT# 1 Import Kilowatt Hours (kWh+)	kilowatt-hours	1	0	max(float)	
Analog Input-43	CT# 1 Export Kilovolt Ampere Hours (kVAh-)	kilo-volt-amperes-reactive-hours	1	0	max(float)	
Analog Input-44	CT# 1 Import Kilovolt Ampere Hours (kVAh+)	kilo-volt-amperes-reactive-hours	1	0	max(float)	
Analog Input-45	Reactive Energy Accumulated in Quadrant 3 (kvarh_Q3)	kilo-volt-amperes-reactive-hours	1	0	max(float)	
Analog Input-46	Reactive Energy Accumulated in Quadrant 4 (kvarh_Q4)	kilo-volt-amperes-reactive-hours	1	0	max(float)	
Analog Input-47	Reactive Energy Accumulated in Quadrant 2 (kvarh_Q2)	kilo-volt-amperes-reactive-hours	1	0	max(float)	
Analog Input-48	Reactive Energy Accumulated in Quadrant 1 (kvarh_Q1)	kilo-volt-amperes-reactive-hours	1	0	max(float)	
Analog Input-49	CT# 1 Peak Demand	kilowatts	1	0	max(float)	
Analog Input-50	CT# 1Phase Angle	kilo-volt-amperes-reactive-hours	1	0	360	Units writable to radians (103) or degrees-phase (14).
Analog Input-51	CT# 1 Reactive Energy Received (kvarh-)	kilo-volt-amperes-reactive-hours	1	0	max(float) Import, Q1+Q2	

	Load Device(s) Object List (con't)					
Object-Identifier	**Object-Name**	**Units**	**COV-Increment**	**Min. Value**	**Max. Value**	**Notes**
Analog Input-52	CT#1 Reactive Energy Delivered (kvarh-)	degrees-phase	18	0	max(float)	Export, Q3+Q4
Analog Input-140	Total Kilowatt Hours (kWh)	kilowatt-hours	1	0	20000	
Analog Input-141	Total Kilovolt Ampere Hours (kVAh)	kilo-volt-amperes-reactive-hours	1	min(float)	max(float)	
Analog Input-142	Total Kilovolt Ampere Reactive Hours (kVARh)	kilo-volt-amperes-hours	1	min(float)	max(float)	
Analog Input-143	Total Export Kilowatt Hours (kWh-)	kilowatt-hours	1	0	max(float)	
Analog Input-144	Total Import Kilowatt Hours (kWh+)	kilowatt-hours	1	0	20000	
Analog Input-145	Total Export Kilovolt Ampere Hours (kVAh-)	kilo-volt-amperes-reactive-hours	1	0	20000	
Analog Input-146	Total Import Kilovolt Ampere Hours (kVAh+)	kilo-volt-amperes-reactive-hours	1	0	max(float)	
Analog Input-147	Total Reactive Energy Accumulated in Quadrant 3 (kvarh_Q3)	kilo-volt-amperes-reactive-hours	1	None	None	
Analog Input-148	Total Reactive Energy Accumulated in Quadrant 4 (kvarh_Q4)		1	None	None	
Analog Input-149	Total Reactive Energy Accumulated in Quadrant 2 (kvarh_Q2)	kilo-volt-amperes-reactive-hours	1	None	None	
Analog Input-150	Total Reactive Energy Accumulated in Quadrant 1 (kvarh_Q1)	kilo-volt-amperes-reactive-hours	1	None	None	
Analog Input-151	Total Reactive Energy Delivered (kvarh+)	kilo-volt-amperes-reactive-hours	1	None	None	Import, Q1+Q2
Analog Input-152	Total Reactive Energy Received (kvarh-)	kilo-volt-amperes-reactive-hours	1	None	None	Export, Q3+Q4
Binary Value-1	CT# 1 Polarity Correction	no-units	None	None	None	BV 1 is reserved for the first CT (phase_L1); BV-2 is reserved for the second CT (phase_L2); BV-3 is reserved for the third CT (phase_L3)
Notification Class-1	Event Notification Class	no-units	None	None	None	
Large Analog Value-1	Total Kilowatt Hours (kWh)	kilowatt-hours	1			
Large Analog Value-2	Total Kilovolt Ampere Hours (kVAh)	kilo-volt-amperes-reactive-hours	1			
Large Analog Value-3	Total Kilovolt Ampere Reactive Hours (kVARh)	kilo-volt-amperes-hours	1			
Large Analog Value-4	Total Export Kilowatt Hours (kWh-)	kilowatt-hours	1			
Large Analog Value-5	Total Import Kilowatt Hours (kWh+)	kilowatt-hours	1			
Large Analog Value-6	Total Export Kilovolt Ampere Hours (kVAh-)	kilo-volt-amperes-reactive-hours	1			
Large Analog Value-7	Total Import Kilovolt Ampere Hours (kVAh+)	kilo-volt-amperes-reactive-hours	1			
Large Analog Value-8	Total Reactive Energy Accumulated in Quadrant 3 (kvarh_Q3)	kilo-volt-amperes-reactive-hours	1			
Large Analog Value-9	Total Reactive Energy Accumulated in Quadrant 4 (kvarh_Q4)	kilo-volt-amperes-reactive-hours	1			
Large Analog Value-10	Total Reactive Energy Accumulated in Quadrant 2 (kvarh_Q2)	kilo-volt-amperes-reactive-hours	1			
Large Analog Value-11	Total Reactive Energy Accumulated in Quadrant 1 (kvarh_Q1)	kilo-volt-amperes-reactive-hours	1			
Large Analog Value-12	Total Reactive Energy Delivered (kvarh+)	kilo-volt-amperes-reactive-hours	1			Import, Q1+Q2
Large Analog Value-13	Total Reactive Energy Received (kvarh-)	kilo-volt-amperes-reactive-hours	1			Export, Q3+Q4