

Bluenet BN PRO Modbus TCP v1.0 Protocol

BN PRO Modbus TCP Register Guide

1 Introduction

This document describes the Modbus TCP interface of the Bluenet BN PRO PDU family and provides the register mapping required for integration into third-party monitoring, DCIM, BMS, SCADA and energy management systems.

1.2 Supported Measurements

- Inlet measurements
- Phase measurements (L1, L2, L3)
- Outlet monitoring
- Miniature Circuit Breakers (MCB)
- Residual Current Monitoring (RCM)
- GPIO interfaces
- External environmental sensors

2 Communication Parameters

Parameter	Value
Protocol	Modbus TCP
Default TCP Port	502
Function Code	03 Read Holding Registers
Register Type	Holding Registers
Word Order	Big Endian
Measurement Data Type	UINT16
Status Data Type	INT16
Firmware Versions	Up to V1.6
Main PDU Slave ID	1
Maximum Link PDUs	19

3 Slave ID Concept

The Main PDU and standalone PDUs use Slave ID 1. Link PDUs use the Slave ID corresponding to their logical position within the cluster.

4 Register Addressing

Decimal	Hexadecimal
18	0x0011
144	0x008F
527	0x020F

5 Data Representation and Scaling

Register Type	Data Type	Range
Measurement Values	UINT16	0...65535
Status Values	INT16	-32768...32767

Important: Measurement registers must be interpreted as UINT16, while status registers must be interpreted as INT16. Otherwise values such as -2 (Connection Lost) may incorrectly appear as 65534.

Measurement	Resolution
Current	0.01 A
Voltage	0.1 V
Frequency	0.1 Hz
Power Factor	0.001
Active Energy	0.1 kWh
Apparent Energy	0.1 kVAh
RCM Current	0.1 mA
Temperature	0.1 °C

6 Energy Register Calculation

Energy = (High Word × 65536 + Low Word) × Scaling Factor

7 Status Codes

Value	Meaning
0	On / Operational
1	Off
-1	Offline
-2	Connection Lost
-3	Under Voltage
-4	Over Voltage
-5	MCB Tripped
-9	RCM Defect
-128	Unknown Error

8 Register Block Structure

Section	Description
Inlet	Total PDU measurements
Phase	L1/L2/L3 measurements
MCB	Circuit breaker status
RCM	Residual current monitoring
Outlet	Outlet-level monitoring
GPIO	Digital inputs and outputs
External Sensors	Temperature and humidity sensors

9 Notes

- All values are read-only via Function Code 03.
- Register addresses are zero-based.
- Use the specified scaling factor before displaying measurement values.
- Energy values spanning multiple registers must be combined before scaling.
- Status values may be negative and should be interpreted as signed integers (INT16).

ModBus Register (Read Holding Register 0x03)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
16	0x000F	0015	Inlet start address			
17	0x0010	0016	Status Inlet State			Device State (Inlet Start Address) Offline(-1) Connection Lost(-2) On(0) Unknown Error (-128)
18	0x0011	0017	Current	0.01 A	Inlet level	
19	0x0012	0018	Peak Current	0.01 A	Inlet level	
20	0x0013	0019	Active Power	1 W	Inlet level	
21	0x0014	0020	Peak Active Power	1 W	Inlet level	
22	0x0015	0021	Apparent Power	1 VA	Inlet level	
23	0x0016	0022	Active Energy High Byte	0.1 kWh	Inlet level	
24	0x0017	0023	Active Energy Low Byte	0.1 kWh	Inlet level	
25	0x0018	0024	Custom Active Energy High Byte	0.1 kWh	Inlet level	
26	0x0019	0025	Custom Active Energy Low Byte	0.1 kWh	Inlet level	
27	0x001A	0026	Neutral Current	0.01 A	Inlet level	
28	0x001B	0027	Peak Neutral Current	0.01 A	Inlet level	
29	0x001C	0028	Frequency	0.1 Hz	Inlet level	
142	0x008D	0141	Phase start address			

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
143	0x008E	0142	Status Phase 1	--		Phase 1 Status Offline(-1) Connection Lost(-2) On(0) Undervoltage(-3) Overvoltage(-4) Unknown Error (-128)
144	0x008F	0143	Voltage	0.1 V	Phase 1 Level	
145	0x0090	0144	Current	0.01 A	Phase 1 Level	
146	0x0091	0145	Peak Current	0.01 A	Phase 1 Level	
147	0x0092	0146	Power Factor	0.001	Phase 1 Level	
148	0x0093	0147	Active Power	1 W	Phase 1 Level	
149	0x0094	0148	Peak Active Power	1 W	Phase 1 Level	
150	0x0095	0149	Apparent Power	1 VA	Phase 1 Level	
151	0x0096	0150	Active Energy High Byte	0.1 kWh	Phase 1 Level	
152	0x0097	0151	Active Energy Low Byte	0.1 kWh	Phase 1 Level	
153	0x0098	0152	Custom Active Energy High Byte	0.1 kWh	Phase 1 Level	
154	0x0099	0153	Custom Active Energy Low Byte	0.1 kWh	Phase 1 Level	
155	0x009A	0154	Apparent Energy High Byte	0.1 kVAh	Phase 1 Level	
156	0x009B	0155	Apparent Energy Low Byte	0.1 kVAh	Phase 1 Level	
162	0x00A1	0161	Power Factor Suffix			LA(1) inductive load LE(-1) capacitive load
163	0x00A2	0162	Status Phase 2	--		Phase 2 Status Offline(-1) Connection Lost(-2) On(0) Undervoltage(-3) Overvoltage(-4) Unknown Error (-128)
164	0x00A3	0163	Voltage	0.1 V	Phase 2 Level	
165	0x00A4	0164	Current	0.01 A	Phase 2 Level	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
166	0x00A5	0165	Peak Current	0.01 A	Phase 2 Level	
167	0x00A6	0166	Power Factor	0.001	Phase 2 Level	
168	0x00A7	0167	Active Power	1 W	Phase 2 Level	
169	0x00A8	0168	Peak Active Power	1 W	Phase 2 Level	
170	0x00A9	0169	Apparent Power	1 VA	Phase 2 Level	
171	0x00AA	0170	Active Energy High Byte	0.1 kWh	Phase 2 Level	
172	0x00AB	0171	Active Energy Low Byte	0.1 kWh	Phase 2 Level	
173	0x00AC	0172	Custom Active Energy High Byte	0.1 kWh	Phase 2 Level	
174	0x00AD	0173	Custom Active Energy Low Byte	0.1 kWh	Phase 2 Level	
175	0x00AE	0174	Apparent Energy High Byte	0.1 kVAh	Phase 2 Level	
176	0x00AF	0175	Apparent Energy Low Byte	0.1 kVAh	Phase 2 Level	
182	0x00B5	0181	Power Factor Suffix			LA(1) inductive load LE(-1) capacitive load
183	0x00B6	0182	Status Phase 3	--		Phase 3 Status Offline(-1) Connection Lost(-2) On(0) Undervoltage(-3) Overvoltage(-4) Unknown Error (-128)
184	0x00B7	0183	Voltage	0.1 V	Phase 3 Level	
185	0x00B8	0184	Current	0.01 A	Phase 3 Level	
186	0x00B9	0185	Peak Current	0.01 A	Phase 3 Level	
187	0x00BA	0186	Power Factor	0.001	Phase 3 Level	
188	0x00BB	0187	Active Power	1 W	Phase 3 Level	
189	0x00BC	0188	Peak Active Power	1 W	Phase 3 Level	
190	0x00BD	0189	Apparent Power	1 VA	Phase 3 Level	
191	0x00BE	0190	Active Energy High Byte	0.1 kWh	Phase 3 Level	
192	0x00BF	0191	Active Energy Low Byte	0.1 kWh	Phase 3 Level	
193	0x00C0	0192	Custom Active Energy High Byte	0.1 kWh	Phase 3 Level	
194	0x00C1	0193	Custom Active Energy Low Byte	0.1 kWh	Phase 3 Level	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
195	0x00C2	0194	Apparent Energy High Byte	0.1 kVAh	Phase 3 Level	
196	0x00C3	0195	Apparent Energy Low Byte	0.1 kVAh	Phase 3 Level	
202	0x00C9	0201	Power Factor Suffix			LA(1) inductive load LE(-1) capacitive load
394	0x0189	0393	MCB start Address			
395	0x018A	0394	Status MCB 1 state			MCB 1, Tripped(-5) Offline(-1) Connection Lost(-2) On(0) Unknown Error (-128)
396	0x018B	0395	Current		MCB 1	
399	0x018E	0398	Status MCB 2 state			MCB 2, Tripped(-5) Offline(-1) Connection Lost(-2) On(0) Unknown Error (-128)
400	0x018F	0399	Current		MCB 2	
403	0x0192	0402	Status MCB 3 state			MCB 3, Tripped(-5) Offline(-1) Connection Lost(-2) On(0) Unknown Error (-128)
404	0x0193	0403	Current		MCB 3	
407	0x0196	0406	Status MCB 4 state			MCB 4, Tripped(-5) Offline(-1) Connection Lost(-2) On(0) Unknown Error (-128)
408	0x0197	0407	Current		MCB 4	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
411	0x019A	0410	Status MCB 5 state			MCB 5, Tripped(-5) Offline(-1) Connection Lost(-2) On(0) Unknown Error (-128)
412	0x019B	0411	Current		MCB 5	
415	0x019E	0414	Status MCB 6 state			MCB 6, Tripped(-5) Offline(-1) Connection Lost(-2) On(0) Unknown Error (-128))
416	0x019F	0415	Current		MCB 6	
442	0x01B9	0441	Start address RCM			
443	0x01BA	0442	Status RCM 1 state			RCM 1 RCM defect(-9) Offline(-1) Connection Lost(-2) On(0) Unknown Error (-128)
444	0x01BB	0443	RCM AC	0.1 mA		
445	0x01BC	0444	Peak RCM AC	0.1 mA		
446	0x01BD	0445	RCM DC	0.1 mA		
447	0x01BE	0446	Peak RCM DC	0.1 mA		
448	0x01BF	0447				
449	0x01C0	0448				
450	0x01C1	0449	Status RCM 2 state			RCM 2 RCM defect(-9) Offline(-1) Connection Lost(-2) On(0) Unknown Error (-128)
451	0x01C2	0450	RCM AC	0.1 mA		

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
452	0x01C3	0451	Peak RCM AC	0.1 mA		
453	0x01C4	0452	RCM DC	0.1 mA		
454	0x01C5	0453	Peak RCM DC	0.1 mA		
455	0x01C6	0454				
456	0x01C7	0455				
457	0x01C8	0456	Status RCM 3 state			RCM 3 RCM defect(-9) Offline(-1) Connection Lost(-2) On(0) Unknown Error (-128)
458	0x01C9	0457	RCM AC	0.1 mA		
459	0x01CA	0458	Peak RCM AC	0.1 mA		
460	0x01CB	0459	RCM DC	0.1 mA		
461	0x01CC	0460	Peak RCM DC	0.1 mA		
526	0x020D	0525	Start address outlet		Outlet 1	
527	0x020E	0526	Status Outlet 1			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
528	0x020F	0527	Current	0.01 A	Outlet 1	
529	0x0210	0528	Peak Current	0.01 A	Outlet 1	
530	0x0211	0529	Power Factor	0.001	Outlet 1	
531	0x0212	0530	Active Power	1 W	Outlet 1	
532	0x0213	0531	Peak Active Power	1 W	Outlet 1	
533	0x0214	0532	Apparent Power	1 VA	Outlet 1	
534	0x0215	0533	Active Energy High Byte	0.1 kWh	Outlet 1	
535	0x0216	0534	Active Energy Low Byte	0.1 kWh	Outlet 1	
536	0x0217	0535	Custom Active Energy High Byte	0.1 kWh	Outlet 1	
537	0x0218	0536	Custom Active Energy Low Byte	0.1 kWh	Outlet 1	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
538	0x0219	0537	Apparent Energy High Byte	0.1 kVAh	Outlet 1	
539	0x021A	0538	Apparent Energy Low Byte	0.1 kVAh	Outlet 1	
540	0x021B	0539	Power Factor Suffix		Outlet 1	LA(1) inductive load LE(-1) capacitive load
541	0x021C	0540	Start address outlet		Outlet 2	
542	0x021D	0541	Status Outlet 2			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
543	0x021E	0542	Current	0.01 A	Outlet 2	
544	0x021F	0543	Peak Current	0.01 A	Outlet 2	
545	0x0220	0544	Power Factor	0.001	Outlet 2	
546	0x0221	0545	Active Power	1 W	Outlet 2	
547	0x0222	0546	Peak Active Power	1 W	Outlet 2	
548	0x0223	0547	Apparent Power	1 VA	Outlet 2	
549	0x0224	0548	Active Energy High Byte	0.1 kWh	Outlet 2	
550	0x0225	0549	Active Energy Low Byte	0.1 kWh	Outlet 2	
551	0x0226	0550	Custom Active Energy High Byte	0.1 kWh	Outlet 2	
552	0x0227	0551	Custom Active Energy Low Byte	0.1 kWh	Outlet 2	
553	0x0228	0552	Apparent Energy High Byte	0.1 kVAh	Outlet 2	
554	0x0229	0553	Apparent Energy Low Byte	0.1 kVAh	Outlet 2	
555	0x022A	0554	Power Factor Suffix		Outlet 2	LA(1) inductive load LE(-1) capacitive load
556	0x022B	0555	Start address outlet		Outlet 3	
557	0x022C	0556	Status Outlet 3			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
558	0x022D	0557	Current	0.01 A	Outlet 3	
559	0x022E	0558	Peak Current	0.01 A	Outlet 3	
560	0x022F	0559	Power Factor	0.001	Outlet 3	
561	0x0230	0560	Active Power	1 W	Outlet 3	
562	0x0231	0561	Peak Active Power	1 W	Outlet 3	
563	0x0232	0562	Apparent Power	1 VA	Outlet 3	
564	0x0233	0563	Active Energy High Byte	0.1 kWh	Outlet 3	
565	0x0234	0564	Active Energy Low Byte	0.1 kWh	Outlet 3	
566	0x0235	0565	Custom Active Energy High Byte	0.1 kWh	Outlet 3	
567	0x0236	0566	Custom Active Energy Low Byte	0.1 kWh	Outlet 3	
568	0x0237	0567	Apparent Energy High Byte	0.1 kVAh	Outlet 3	
569	0x0238	0568	Apparent Energy Low Byte	0.1 kVAh	Outlet 3	
570	0x0239	0569	Power Factor Suffix		Outlet 3	LA(1) inductive load LE(-1) capacitive load
571	0x023A	0570	Start address outlet		Outlet 4	
572	0x023B	0571	Status Outlet 4			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
573	0x023C	0572	Current	0.01 A	Outlet 4	
574	0x023D	0573	Peak Current	0.01 A	Outlet 4	
575	0x023E	0574	Power Factor	0.001	Outlet 4	
576	0x023F	0575	Active Power	1 W	Outlet 4	
577	0x0240	0576	Peak Active Power	1 W	Outlet 4	
578	0x0241	0577	Apparent Power	1 VA	Outlet 4	
579	0x0242	0578	Active Energy High Byte	0.1 kWh	Outlet 4	
580	0x0243	0579	Active Energy Low Byte	0.1 kWh	Outlet 4	
581	0x0244	0580	Custom Active Energy High Byte	0.1 kWh	Outlet 4	
582	0x0245	0581	Custom Active Energy Low Byte	0.1 kWh	Outlet 4	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
583	0x0246	0582	Apparent Energy High Byte	0.1 kVAh	Outlet 4	
584	0x0247	0583	Apparent Energy Low Byte	0.1 kVAh	Outlet 4	
585	0x0248	0584	Power Factor Suffix		Outlet 4	LA(1) inductive load LE(-1) capacitive load
586	0x0249	0585	Start address outlet		Outlet 5	
587	0x024A	0586	Status Outlet 5			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
588	0x024B	0587	Current	0.01 A	Outlet 5	
589	0x024C	0588	Peak Current	0.01 A	Outlet 5	
590	0x024D	0589	Power Factor	0.001	Outlet 5	
591	0x024E	0590	Active Power	1 W	Outlet 5	
592	0x024F	0591	Peak Active Power	1 W	Outlet 5	
593	0x0250	0592	Apparent Power	1 VA	Outlet 5	
594	0x0251	0593	Active Energy High Byte	0.1 kWh	Outlet 5	
595	0x0252	0594	Active Energy Low Byte	0.1 kWh	Outlet 5	
596	0x0253	0595	Custom Active Energy High Byte	0.1 kWh	Outlet 5	
597	0x0254	0596	Custom Active Energy Low Byte	0.1 kWh	Outlet 5	
598	0x0255	0597	Apparent Energy High Byte	0.1 kVAh	Outlet 5	
599	0x0256	0598	Apparent Energy Low Byte	0.1 kVAh	Outlet 5	
600	0x0257	0599	Power Factor Suffix		Outlet 5	LA(1) inductive load LE(-1) capacitive load
601	0x0258	0600	Start address outlet		Outlet 6	
602	0x0259	0601	Status Outlet 6			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
603	0x025A	0602	Current	0.01 A	Outlet 6	
604	0x025B	0603	Peak Current	0.01 A	Outlet 6	
605	0x025C	0604	Power Factor	0.001	Outlet 6	
606	0x025D	0605	Active Power	1 W	Outlet 6	
607	0x025E	0606	Peak Active Power	1 W	Outlet 6	
608	0x025F	0607	Apparent Power	1 VA	Outlet 6	
609	0x0260	0608	Active Energy High Byte	0.1 kWh	Outlet 6	
610	0x0261	0609	Active Energy Low Byte	0.1 kWh	Outlet 6	
611	0x0262	0610	Custom Active Energy High Byte	0.1 kWh	Outlet 6	
612	0x0263	0611	Custom Active Energy Low Byte	0.1 kWh	Outlet 6	
613	0x0264	0612	Apparent Energy High Byte	0.1 kVAh	Outlet 6	
614	0x0265	0613	Apparent Energy Low Byte	0.1 kVAh	Outlet 6	
615	0x0266	0614	Power Factor Suffix		Outlet 6	LA(1) inductive load LE(-1) capacitive load
616	0x0267	0615	Start address outlet		Outlet 7	
617	0x0268	0616	Status Outlet 7			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
618	0x0269	0617	Current	0.01 A	Outlet 7	
619	0x026A	0618	Peak Current	0.01 A	Outlet 7	
620	0x026B	0619	Power Factor	0.001	Outlet 7	
621	0x026C	0620	Active Power	1 W	Outlet 7	
622	0x026D	0621	Peak Active Power	1 W	Outlet 7	
623	0x026E	0622	Apparent Power	1 VA	Outlet 7	
624	0x026F	0623	Active Energy High Byte	0.1 kWh	Outlet 7	
625	0x0270	0624	Active Energy Low Byte	0.1 kWh	Outlet 7	
626	0x0271	0625	Custom Active Energy High Byte	0.1 kWh	Outlet 7	
627	0x0272	0626	Custom Active Energy Low Byte	0.1 kWh	Outlet 7	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
628	0x0273	0627	Apparent Energy High Byte	0.1 kVAh	Outlet 7	
629	0x0274	0628	Apparent Energy Low Byte	0.1 kVAh	Outlet 7	
630	0x0275	0629	Power Factor Suffix		Outlet 7	LA(1) inductive load LE(-1) capacitive load
631	0x0276	0630	Start address outlet		Outlet 8	
632	0x0277	0631	Status Outlet 8			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
633	0x0278	0632	Current	0.01 A	Outlet 8	
634	0x0279	0633	Peak Current	0.01 A	Outlet 8	
635	0x027A	0634	Power Factor	0.001	Outlet 8	
636	0x027B	0635	Active Power	1 W	Outlet 8	
637	0x027C	0636	Peak Active Power	1 W	Outlet 8	
638	0x027D	0637	Apparent Power	1 VA	Outlet 8	
639	0x027E	0638	Active Energy High Byte	0.1 kWh	Outlet 8	
640	0x027F	0639	Active Energy Low Byte	0.1 kWh	Outlet 8	
641	0x0280	0640	Custom Active Energy High Byte	0.1 kWh	Outlet 8	
642	0x0281	0641	Custom Active Energy Low Byte	0.1 kWh	Outlet 8	
643	0x0282	0642	Apparent Energy High Byte	0.1 kVAh	Outlet 8	
644	0x0283	0643	Apparent Energy Low Byte	0.1 kVAh	Outlet 8	
645	0x0284	0644	Power Factor Suffix		Outlet 8	LA(1) inductive load LE(-1) capacitive load
646	0x0285	0645	Start address outlet		Outlet 9	
647	0x0286	0646	Status Outlet 9			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
648	0x0287	0647	Current	0.01 A	Outlet 9	
649	0x0288	0648	Peak Current	0.01 A	Outlet 9	
650	0x0289	0649	Power Factor	0.001	Outlet 9	
651	0x028A	0650	Active Power	1 W	Outlet 9	
652	0x028B	0651	Peak Active Power	1 W	Outlet 9	
653	0x028C	0652	Apparent Power	1 VA	Outlet 9	
654	0x028D	0653	Active Energy High Byte	0.1 kWh	Outlet 9	
655	0x028E	0654	Active Energy Low Byte	0.1 kWh	Outlet 9	
656	0x028F	0655	Custom Active Energy High Byte	0.1 kWh	Outlet 9	
657	0x0290	0656	Custom Active Energy Low Byte	0.1 kWh	Outlet 9	
658	0x0291	0657	Apparent Energy High Byte	0.1 kVAh	Outlet 9	
659	0x0292	0658	Apparent Energy Low Byte	0.1 kVAh	Outlet 9	
660	0x0293	0659	Power Factor Suffix		Outlet 9	LA(1) inductive load LE(-1) capacitive load
661	0x0294	0660	Start address outlet		Outlet 10	
662	0x0295	0661	Status Outlet 10			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
663	0x0296	0662	Current	0.01 A	Outlet 10	
664	0x0297	0663	Peak Current	0.01 A	Outlet 10	
665	0x0298	0664	Power Factor	0.001	Outlet 10	
666	0x0299	0665	Active Power	1 W	Outlet 10	
667	0x029A	0666	Peak Active Power	1 W	Outlet 10	
668	0x029B	0667	Apparent Power	1 VA	Outlet 10	
669	0x029C	0668	Active Energy High Byte	0.1 kWh	Outlet 10	
670	0x029D	0669	Active Energy Low Byte	0.1 kWh	Outlet 10	
671	0x029E	0670	Custom Active Energy High Byte	0.1 kWh	Outlet 10	
672	0x029F	0671	Custom Active Energy Low Byte	0.1 kWh	Outlet 10	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
673	0x02A0	0672	Apparent Energy High Byte	0.1 kVAh	Outlet 10	
674	0x02A1	0673	Apparent Energy Low Byte	0.1 kVAh	Outlet 10	
675	0x02A2	0674	Power Factor Suffix		Outlet 10	LA(1) inductive load LE(-1) capacitive load
676	0x02A3	0675	Start address outlet		Outlet 11	
677	0x02A4	0676	Status Outlet 11			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
678	0x02A5	0677	Current	0.01 A	Outlet 11	
679	0x02A6	0678	Peak Current	0.01 A	Outlet 11	
680	0x02A7	0679	Power Factor	0.001	Outlet 11	
681	0x02A8	0680	Active Power	1 W	Outlet 11	
682	0x02A9	0681	Peak Active Power	1 W	Outlet 11	
683	0x02AA	0682	Apparent Power	1 VA	Outlet 11	
684	0x02AB	0683	Active Energy High Byte	0.1 kWh	Outlet 11	
685	0x02AC	0684	Active Energy Low Byte	0.1 kWh	Outlet 11	
686	0x02AD	0685	Custom Active Energy High Byte	0.1 kWh	Outlet 11	
687	0x02AE	0686	Custom Active Energy Low Byte	0.1 kWh	Outlet 11	
688	0x02AF	0687	Apparent Energy High Byte	0.1 kVAh	Outlet 11	
689	0x02B0	0688	Apparent Energy Low Byte	0.1 kVAh	Outlet 11	
690	0x02B1	0689	Power Factor Suffix		Outlet 11	LA(1) inductive load LE(-1) capacitive load
691	0x02B2	0690	Start address outlet		Outlet 12	
692	0x02B3	0691	Status Outlet 12			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
693	0x02B4	0692	Current	0.01 A	Outlet 12	
694	0x02B5	0693	Peak Current	0.01 A	Outlet 12	
695	0x02B6	0694	Power Factor	0.001	Outlet 12	
696	0x02B7	0695	Active Power	1 W	Outlet 12	
697	0x02B8	0696	Peak Active Power	1 W	Outlet 12	
698	0x02B9	0697	Apparent Power	1 VA	Outlet 12	
699	0x02BA	0698	Active Energy High Byte	0.1 kWh	Outlet 12	
700	0x02BB	0699	Active Energy Low Byte	0.1 kWh	Outlet 12	
701	0x02BC	0700	Custom Active Energy High Byte	0.1 kWh	Outlet 12	
702	0x02BD	0701	Custom Active Energy Low Byte	0.1 kWh	Outlet 12	
703	0x02BE	0702	Apparent Energy High Byte	0.1 kVAh	Outlet 12	
704	0x02BF	0703	Apparent Energy Low Byte	0.1 kVAh	Outlet 12	
705	0x02C0	0704	Power Factor Suffix		Outlet 12	LA(1) inductive load LE(-1) capacitive load
706	0x02C1	0705	Start address outlet		Outlet 13	
707	0x02C2	0706	Status Outlet 13			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
708	0x02C3	0707	Current	0.01 A	Outlet 13	
709	0x02C4	0708	Peak Current	0.01 A	Outlet 13	
710	0x02C5	0709	Power Factor	0.001	Outlet 13	
711	0x02C6	0710	Active Power	1 W	Outlet 13	
712	0x02C7	0711	Peak Active Power	1 W	Outlet 13	
713	0x02C8	0712	Apparent Power	1 VA	Outlet 13	
714	0x02C9	0713	Active Energy High Byte	0.1 kWh	Outlet 13	
715	0x02CA	0714	Active Energy Low Byte	0.1 kWh	Outlet 13	
716	0x02CB	0715	Custom Active Energy High Byte	0.1 kWh	Outlet 13	
717	0x02CC	0716	Custom Active Energy Low Byte	0.1 kWh	Outlet 13	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
718	0x02CD	0717	Apparent Energy High Byte	0.1 kVAh	Outlet 13	
719	0x02CE	0718	Apparent Energy Low Byte	0.1 kVAh	Outlet 13	
720	0x02CF	0719	Power Factor Suffix		Outlet 13	LA(1) inductive load LE(-1) capacitive load
721	0x02D0	0720	Start address outlet		Outlet 14	
722	0x02D1	0721	Status Outlet 14			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
723	0x02D2	0722	Current	0.01 A	Outlet 14	
724	0x02D3	0723	Peak Current	0.01 A	Outlet 14	
725	0x02D4	0724	Power Factor	0.001	Outlet 14	
726	0x02D5	0725	Active Power	1 W	Outlet 14	
727	0x02D6	0726	Peak Active Power	1 W	Outlet 14	
728	0x02D7	0727	Apparent Power	1 VA	Outlet 14	
729	0x02D8	0728	Active Energy High Byte	0.1 kWh	Outlet 14	
730	0x02D9	0729	Active Energy Low Byte	0.1 kWh	Outlet 14	
731	0x02DA	0730	Custom Active Energy High Byte	0.1 kWh	Outlet 14	
732	0x02DB	0731	Custom Active Energy Low Byte	0.1 kWh	Outlet 14	
733	0x02DC	0732	Apparent Energy High Byte	0.1 kVAh	Outlet 14	
734	0x02DD	0733	Apparent Energy Low Byte	0.1 kVAh	Outlet 14	
735	0x02DE	0734	Power Factor Suffix		Outlet 14	LA(1) inductive load LE(-1) capacitive load
736	0x02DF	0735	Start address outlet		Outlet 15	
737	0x02E0	0736	Status Outlet 15			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
738	0x02E1	0737	Current	0.01 A	Outlet 15	
739	0x02E2	0738	Peak Current	0.01 A	Outlet 15	
740	0x02E3	0739	Power Factor	0.001	Outlet 15	
741	0x02E4	0740	Active Power	1 W	Outlet 15	
742	0x02E5	0741	Peak Active Power	1 W	Outlet 15	
743	0x02E6	0742	Apparent Power	1 VA	Outlet 15	
744	0x02E7	0743	Active Energy High Byte	0.1 kWh	Outlet 15	
745	0x02E8	0744	Active Energy Low Byte	0.1 kWh	Outlet 15	
746	0x02E9	0745	Custom Active Energy High Byte	0.1 kWh	Outlet 15	
747	0x02EA	0746	Custom Active Energy Low Byte	0.1 kWh	Outlet 15	
748	0x02EB	0747	Apparent Energy High Byte	0.1 kVAh	Outlet 15	
749	0x02EC	0748	Apparent Energy Low Byte	0.1 kVAh	Outlet 15	
750	0x02ED	0749	Power Factor Suffix		Outlet 15	LA(1) inductive load LE(-1) capacitive load
751	0x02EE	0750	Start address outlet		Outlet 16	
752	0x02EF	0751	Status Outlet 16			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
753	0x02F0	0752	Current	0.01 A	Outlet 16	
754	0x02F1	0753	Peak Current	0.01 A	Outlet 16	
755	0x02F2	0754	Power Factor	0.001	Outlet 16	
756	0x02F3	0755	Active Power	1 W	Outlet 16	
757	0x02F4	0756	Peak Active Power	1 W	Outlet 16	
758	0x02F5	0757	Apparent Power	1 VA	Outlet 16	
759	0x02F6	0758	Active Energy High Byte	0.1 kWh	Outlet 16	
760	0x02F7	0759	Active Energy Low Byte	0.1 kWh	Outlet 16	
761	0x02F8	0760	Custom Active Energy High Byte	0.1 kWh	Outlet 16	
762	0x02F9	0761	Custom Active Energy Low Byte	0.1 kWh	Outlet 16	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
763	0x02FA	0762	Apparent Energy High Byte	0.1 kVAh	Outlet 16	
764	0x02FB	0763	Apparent Energy Low Byte	0.1 kVAh	Outlet 16	
765	0x02FC	0764	Power Factor Suffix		Outlet 16	LA(1) inductive load LE(-1) capacitive load
766	0x02FD	0765	Start address outlet		Outlet 17	
767	0x02FE	0766	Status Outlet 17			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
768	0x02FF	0767	Current	0.01 A	Outlet 17	
769	0x0300	0768	Peak Current	0.01 A	Outlet 17	
770	0x0301	0769	Power Factor	0.001	Outlet 17	
771	0x0302	0770	Active Power	1 W	Outlet 17	
772	0x0303	0771	Peak Active Power	1 W	Outlet 17	
773	0x0304	0772	Apparent Power	1 VA	Outlet 17	
774	0x0305	0773	Active Energy High Byte	0.1 kWh	Outlet 17	
775	0x0306	0774	Active Energy Low Byte	0.1 kWh	Outlet 17	
776	0x0307	0775	Custom Active Energy High Byte	0.1 kWh	Outlet 17	
777	0x0308	0776	Custom Active Energy Low Byte	0.1 kWh	Outlet 17	
778	0x0309	0777	Apparent Energy High Byte	0.1 kVAh	Outlet 17	
779	0x030A	0778	Apparent Energy Low Byte	0.1 kVAh	Outlet 17	
780	0x030B	0779	Power Factor Suffix		Outlet 17	LA(1) inductive load LE(-1) capacitive load
781	0x030C	0780	Start address outlet		Outlet 18	
782	0x030D	0781	Status Outlet 18			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
783	0x030E	0782	Current	0.01 A	Outlet 18	
784	0x030F	0783	Peak Current	0.01 A	Outlet 18	
785	0x0310	0784	Power Factor	0.001	Outlet 18	
786	0x0311	0785	Active Power	1 W	Outlet 18	
787	0x0312	0786	Peak Active Power	1 W	Outlet 18	
788	0x0313	0787	Apparent Power	1 VA	Outlet 18	
789	0x0314	0788	Active Energy High Byte	0.1 kWh	Outlet 18	
790	0x0315	0789	Active Energy Low Byte	0.1 kWh	Outlet 18	
791	0x0316	0790	Custom Active Energy High Byte	0.1 kWh	Outlet 18	
792	0x0317	0791	Custom Active Energy Low Byte	0.1 kWh	Outlet 18	
793	0x0318	0792	Apparent Energy High Byte	0.1 kVAh	Outlet 18	
794	0x0319	0793	Apparent Energy Low Byte	0.1 kVAh	Outlet 18	
795	0x031A	0794	Power Factor Suffix		Outlet 18	LA(1) inductive load LE(-1) capacitive load
796	0x031B	0795	Start address outlet		Outlet 19	
797	0x031C	0796	Status Outlet 19			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
798	0x031D	0797	Current	0.01 A	Outlet 19	
799	0x031E	0798	Peak Current	0.01 A	Outlet 19	
800	0x031F	0799	Power Factor	0.001	Outlet 19	
801	0x0320	0800	Active Power	1 W	Outlet 19	
802	0x0321	0801	Peak Active Power	1 W	Outlet 19	
803	0x0322	0802	Apparent Power	1 VA	Outlet 19	
804	0x0323	0803	Active Energy High Byte	0.1 kWh	Outlet 19	
805	0x0324	0804	Active Energy Low Byte	0.1 kWh	Outlet 19	
806	0x0325	0805	Custom Active Energy High Byte	0.1 kWh	Outlet 19	
807	0x0326	0806	Custom Active Energy Low Byte	0.1 kWh	Outlet 19	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
808	0x0327	0807	Apparent Energy High Byte	0.1 kVAh	Outlet 19	
809	0x0328	0808	Apparent Energy Low Byte	0.1 kVAh	Outlet 19	
810	0x0329	0809	Power Factor Suffix			LA(1) inductive load LE(-1) capacitive load
811	0x032A	0810	Start address outlet		Outlet 20	
812	0x032B	0811	Status Outlet 20			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
813	0x032C	0812	Current	0.01 A	Outlet 20	
814	0x032D	0813	Peak Current	0.01 A	Outlet 20	
815	0x032E	0814	Power Factor	0.001	Outlet 20	
816	0x032F	0815	Active Power	1 W	Outlet 20	
817	0x0330	0816	Peak Active Power	1 W	Outlet 20	
818	0x0331	0817	Apparent Power	1 VA	Outlet 20	
819	0x0332	0818	Active Energy High Byte	0.1 kWh	Outlet 20	
820	0x0333	0819	Active Energy Low Byte	0.1 kWh	Outlet 20	
821	0x0334	0820	Custom Active Energy High Byte	0.1 kWh	Outlet 20	
822	0x0335	0821	Custom Active Energy Low Byte	0.1 kWh	Outlet 20	
823	0x0336	0822	Apparent Energy High Byte	0.1 kVAh	Outlet 20	
824	0x0337	0823	Apparent Energy Low Byte	0.1 kVAh	Outlet 20	
825	0x0338	0824	Power Factor Suffix		Outlet 20	LA(1) inductive load LE(-1) capacitive load
826	0x0339	0825	Start address outlet		Outlet 21	
827	0x033A	0826	Status Outlet 21			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
828	0x033B	0827	Current	0.01 A	Outlet 21	
829	0x033C	0828	Peak Current	0.01 A	Outlet 21	
830	0x033D	0829	Power Factor	0.001	Outlet 21	
831	0x033E	0830	Active Power	1 W	Outlet 21	
832	0x033F	0831	Peak Active Power	1 W	Outlet 21	
833	0x0340	0832	Apparent Power	1 VA	Outlet 21	
834	0x0341	0833	Active Energy High Byte	0.1 kWh	Outlet 21	
835	0x0342	0834	Active Energy Low Byte	0.1 kWh	Outlet 21	
836	0x0343	0835	Custom Active Energy High Byte	0.1 kWh	Outlet 21	
837	0x0344	0836	Custom Active Energy Low Byte	0.1 kWh	Outlet 21	
838	0x0345	0837	Apparent Energy High Byte	0.1 kVAh	Outlet 21	
839	0x0346	0838	Apparent Energy Low Byte	0.1 kVAh	Outlet 21	
840	0x0347	0839	Power Factor Suffix		Outlet 21	LA(1) inductive load LE(-1) capacitive load
841	0x0348	0840	Start address outlet		Outlet 22	
842	0x0349	0841	Status Outlet 22			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
843	0x034A	0842	Current	0.01 A	Outlet 22	
844	0x034B	0843	Peak Current	0.01 A	Outlet 22	
845	0x034C	0844	Power Factor	0.001	Outlet 22	
846	0x034D	0845	Active Power	1 W	Outlet 22	
847	0x034E	0846	Peak Active Power	1 W	Outlet 22	
848	0x034F	0847	Apparent Power	1 VA	Outlet 22	
849	0x0350	0848	Active Energy High Byte	0.1 kWh	Outlet 22	
850	0x0351	0849	Active Energy Low Byte	0.1 kWh	Outlet 22	
851	0x0352	0850	Custom Active Energy High Byte	0.1 kWh	Outlet 22	
852	0x0353	0851	Custom Active Energy Low Byte	0.1 kWh	Outlet 22	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
853	0x0354	0852	Apparent Energy High Byte	0.1 kVAh	Outlet 22	
854	0x0355	0853	Apparent Energy Low Byte	0.1 kVAh	Outlet 22	
855	0x0356	0854	Power Factor Suffix		Outlet 22	LA(1) inductive load LE(-1) capacitive load
856	0x0357	0855	Start address outlet		Outlet 23	
857	0x0358	0856	Status Outlet 23			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
858	0x0359	0857	Current	0.01 A	Outlet 23	
859	0x035A	0858	Peak Current	0.01 A	Outlet 23	
860	0x035B	0859	Power Factor	0.001	Outlet 23	
861	0x035C	0860	Active Power	1 W	Outlet 23	
862	0x035D	0861	Peak Active Power	1 W	Outlet 23	
863	0x035E	0862	Apparent Power	1 VA	Outlet 23	
864	0x035F	0863	Active Energy High Byte	0.1 kWh	Outlet 23	
865	0x0360	0864	Active Energy Low Byte	0.1 kWh	Outlet 23	
866	0x0361	0865	Custom Active Energy High Byte	0.1 kWh	Outlet 23	
867	0x0362	0866	Custom Active Energy Low Byte	0.1 kWh	Outlet 23	
868	0x0363	0867	Apparent Energy High Byte	0.1 kVAh	Outlet 23	
869	0x0364	0868	Apparent Energy Low Byte	0.1 kVAh	Outlet 23	
870	0x0365	0869	Power Factor Suffix		Outlet 23	LA(1) inductive load LE(-1) capacitive load
871	0x0366	0870	Start address outlet		Outlet 24	
872	0x0367	0871	Status Outlet 24			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
873	0x0368	0872	Current	0.01 A	Outlet 24	
874	0x0369	0873	Peak Current	0.01 A	Outlet 24	
875	0x036A	0874	Power Factor	0.001	Outlet 24	
876	0x036B	0875	Active Power	1 W	Outlet 24	
877	0x036C	0876	Peak Active Power	1 W	Outlet 24	
878	0x036D	0877	Apparent Power	1 VA	Outlet 24	
879	0x036E	0878	Active Energy High Byte	0.1 kWh	Outlet 24	
880	0x036F	0879	Active Energy Low Byte	0.1 kWh	Outlet 24	
881	0x0370	0880	Custom Active Energy High Byte	0.1 kWh	Outlet 24	
882	0x0371	0881	Custom Active Energy Low Byte	0.1 kWh	Outlet 24	
883	0x0372	0882	Apparent Energy High Byte	0.1 kVAh	Outlet 24	
884	0x0373	0883	Apparent Energy Low Byte	0.1 kVAh	Outlet 24	
885	0x0374	0884	Power Factor Suffix		Outlet 24	LA(1) inductive load LE(-1) capacitive load
886	0x0375	0885	Start address outlet		Outlet 25	
887	0x0376	0886	Status Outlet 25			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
888	0x0377	0887	Current	0.01 A	Outlet 25	
889	0x0378	0888	Peak Current	0.01 A	Outlet 25	
890	0x0379	0889	Power Factor	0.001	Outlet 25	
891	0x037A	0890	Active Power	1 W	Outlet 25	
892	0x037B	0891	Peak Active Power	1 W	Outlet 25	
893	0x037C	0892	Apparent Power	1 VA	Outlet 25	
894	0x037D	0893	Active Energy High Byte	0.1 kWh	Outlet 25	
895	0x037E	0894	Active Energy Low Byte	0.1 kWh	Outlet 25	
896	0x037F	0895	Custom Active Energy High Byte	0.1 kWh	Outlet 25	
897	0x0380	0896	Custom Active Energy Low Byte	0.1 kWh	Outlet 25	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
898	0x0381	0897	Apparent Energy High Byte	0.1 kVAh	Outlet 25	
899	0x0382	0898	Apparent Energy Low Byte	0.1 kVAh	Outlet 25	
900	0x0383	0899	Power Factor Suffix		Outlet 25	LA(1) inductive load LE(-1) capacitive load
901	0x0384	0900	Start address outlet		Outlet 26	
902	0x0385	0901	Status Outlet 26			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
903	0x0386	0902	Current	0.01 A	Outlet 26	
904	0x0387	0903	Peak Current	0.01 A	Outlet 26	
905	0x0388	0904	Power Factor	0.001	Outlet 26	
906	0x0389	0905	Active Power	1 W	Outlet 26	
907	0x038A	0906	Peak Active Power	1 W	Outlet 26	
908	0x038B	0907	Apparent Power	1 VA	Outlet 26	
909	0x038C	0908	Active Energy High Byte	0.1 kWh	Outlet 26	
910	0x038D	0909	Active Energy Low Byte	0.1 kWh	Outlet 26	
911	0x038E	0910	Custom Active Energy High Byte	0.1 kWh	Outlet 26	
912	0x038F	0911	Custom Active Energy Low Byte	0.1 kWh	Outlet 26	
913	0x0390	0912	Apparent Energy High Byte	0.1 kVAh	Outlet 26	
914	0x0391	0913	Apparent Energy Low Byte	0.1 kVAh	Outlet 26	
915	0x0392	0914	Power Factor Suffix		Outlet 26	LA(1) inductive load LE(-1) capacitive load
916	0x0393	0915	Start address outlet		Outlet 27	
917	0x0394	0916	Status Outlet 27			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
918	0x0395	0917	Current	0.01 A	Outlet 27	
919	0x0396	0918	Peak Current	0.01 A	Outlet 27	
920	0x0397	0919	Power Factor	0.001	Outlet 27	
921	0x0398	0920	Active Power	1 W	Outlet 27	
922	0x0399	0921	Peak Active Power	1 W	Outlet 27	
923	0x039A	0922	Apparent Power	1 VA	Outlet 27	
924	0x039B	0923	Active Energy High Byte	0.1 kWh	Outlet 27	
925	0x039C	0924	Active Energy Low Byte	0.1 kWh	Outlet 27	
926	0x039D	0925	Custom Active Energy High Byte	0.1 kWh	Outlet 27	
927	0x039E	0926	Custom Active Energy Low Byte	0.1 kWh	Outlet 27	
928	0x039F	0927	Apparent Energy High Byte	0.1 kVAh	Outlet 27	
929	0x03A0	0928	Apparent Energy Low Byte	0.1 kVAh	Outlet 27	
930	0x03A1	0929	Power Factor Suffix		Outlet 27	LA(1) inductive load LE(-1) capacitive load
931	0x03A2	0930	Start address outlet		Outlet 28	
932	0x03A3	0931	Status Outlet 28			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
933	0x03A4	0932	Current	0.01 A	Outlet 28	
934	0x03A5	0933	Peak Current	0.01 A	Outlet 28	
935	0x03A6	0934	Power Factor	0.001	Outlet 28	
936	0x03A7	0935	Active Power	1 W	Outlet 28	
937	0x03A8	0936	Peak Active Power	1 W	Outlet 28	
938	0x03A9	0937	Apparent Power	1 VA	Outlet 28	
939	0x03AA	0938	Active Energy High Byte	0.1 kWh	Outlet 28	
940	0x03AB	0939	Active Energy Low Byte	0.1 kWh	Outlet 28	
941	0x03AC	0940	Custom Active Energy High Byte	0.1 kWh	Outlet 28	
942	0x03AD	0941	Custom Active Energy Low Byte	0.1 kWh	Outlet 28	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
943	0x03AE	0942	Apparent Energy High Byte	0.1 kVAh	Outlet 28	
944	0x03AF	0943	Apparent Energy Low Byte	0.1 kVAh	Outlet 28	
945	0x03B0	0944	Power Factor Suffix		Outlet 28	LA(1) inductive load LE(-1) capacitive load
946	0x03B1	0945	Start address outlet		Outlet 29	
947	0x03B2	0946	Status Outlet 29			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
948	0x03B3	0947	Current	0.01 A	Outlet 29	
949	0x03B4	0948	Peak Current	0.01 A	Outlet 29	
950	0x03B5	0949	Power Factor	0.001	Outlet 29	
951	0x03B6	0950	Active Power	1 W	Outlet 29	
952	0x03B7	0951	Peak Active Power	1 W	Outlet 29	
953	0x03B8	0952	Apparent Power	1 VA	Outlet 29	
954	0x03B9	0953	Active Energy High Byte	0.1 kWh	Outlet 29	
955	0x03BA	0954	Active Energy Low Byte	0.1 kWh	Outlet 29	
956	0x03BB	0955	Custom Active Energy High Byte	0.1 kWh	Outlet 29	
957	0x03BC	0956	Custom Active Energy Low Byte	0.1 kWh	Outlet 29	
958	0x03BD	0957	Apparent Energy High Byte	0.1 kVAh	Outlet 29	
959	0x03BE	0958	Apparent Energy Low Byte	0.1 kVAh	Outlet 29	
960	0x03BF	0959	Power Factor Suffix		Outlet 29	LA(1) inductive load LE(-1) capacitive load
961	0x03C0	0960	Start address outlet		Outlet 30	
962	0x03C1	0961	Status Outlet 30			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
963	0x03C2	0962	Current	0.01 A	Outlet 30	
964	0x03C3	0963	Peak Current	0.01 A	Outlet 30	
965	0x03C4	0964	Power Factor	0.001	Outlet 30	
966	0x03C5	0965	Active Power	1 W	Outlet 30	
967	0x03C6	0966	Peak Active Power	1 W	Outlet 30	
968	0x03C7	0967	Apparent Power	1 VA	Outlet 30	
969	0x03C8	0968	Active Energy High Byte	0.1 kWh	Outlet 30	
970	0x03C9	0969	Active Energy Low Byte	0.1 kWh	Outlet 30	
971	0x03CA	0970	Custom Active Energy High Byte	0.1 kWh	Outlet 30	
972	0x03CB	0971	Custom Active Energy Low Byte	0.1 kWh	Outlet 30	
973	0x03CC	0972	Apparent Energy High Byte	0.1 kVAh	Outlet 30	
974	0x03CD	0973	Apparent Energy Low Byte	0.1 kVAh	Outlet 30	
975	0x03CE	0974	Power Factor Suffix		Outlet 30	LA(1) inductive load LE(-1) capacitive load
976	0x03CF	0975	Start address outlet		Outlet 31	
977	0x03D0	0976	Status Outlet 31			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
978	0x03D1	0977	Current	0.01 A	Outlet 31	
979	0x03D2	0978	Peak Current	0.01 A	Outlet 31	
980	0x03D3	0979	Power Factor	0.001	Outlet 31	
981	0x03D4	0980	Active Power	1 W	Outlet 31	
982	0x03D5	0981	Peak Active Power	1 W	Outlet 31	
983	0x03D6	0982	Apparent Power	1 VA	Outlet 31	
984	0x03D7	0983	Active Energy High Byte	0.1 kWh	Outlet 31	
985	0x03D8	0984	Active Energy Low Byte	0.1 kWh	Outlet 31	
986	0x03D9	0985	Custom Active Energy High Byte	0.1 kWh	Outlet 31	
987	0x03DA	0986	Custom Active Energy Low Byte	0.1 kWh	Outlet 31	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
988	0x03DB	0987	Apparent Energy High Byte	0.1 kVAh	Outlet 31	
989	0x03DC	0988	Apparent Energy Low Byte	0.1 kVAh	Outlet 31	
990	0x03DD	0989	Power Factor Suffix		Outlet 31	LA(1) inductive load LE(-1) capacitive load
991	0x03DE	0990	Start address outlet		Outlet 32	
992	0x03DF	0991	Status Outlet 32			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
993	0x03E0	0992	Current	0.01 A	Outlet 32	
994	0x03E1	0993	Peak Current	0.01 A	Outlet 32	
995	0x03E2	0994	Power Factor	0.001	Outlet 32	
996	0x03E3	0995	Active Power	1 W	Outlet 32	
997	0x03E4	0996	Peak Active Power	1 W	Outlet 32	
998	0x03E5	0997	Apparent Power	1 VA	Outlet 32	
999	0x03E6	0998	Active Energy High Byte	0.1 kWh	Outlet 32	
1000	0x03E7	0999	Active Energy Low Byte	0.1 kWh	Outlet 32	
1001	0x03E8	1000	Custom Active Energy High Byte	0.1 kWh	Outlet 32	
1002	0x03E9	1001	Custom Active Energy Low Byte	0.1 kWh	Outlet 32	
1003	0x03EA	1002	Apparent Energy High Byte	0.1 kVAh	Outlet 32	
1004	0x03EB	1003	Apparent Energy Low Byte	0.1 kVAh	Outlet 32	
1005	0x03EC	1004	Power Factor Suffix		Outlet 32	LA(1) inductive load LE(-1) capacitive load
1006	0x03ED	1005	Start address outlet		Outlet 33	
1007	0x03EE	1006	Status Outlet 33			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
1008	0x03EF	1007	Current	0.01 A	Outlet 33	
1009	0x03F0	1008	Peak Current	0.01 A	Outlet 33	
1010	0x03F1	1009	Power Factor	0.001	Outlet 33	
1011	0x03F2	1010	Active Power	1 W	Outlet 33	
1012	0x03F3	1011	Peak Active Power	1 W	Outlet 33	
1013	0x03F4	1012	Apparent Power	1 VA	Outlet 33	
1014	0x03F5	1013	Active Energy High Byte	0.1 kWh	Outlet 33	
1015	0x03F6	1014	Active Energy Low Byte	0.1 kWh	Outlet 33	
1016	0x03F7	1015	Custom Active Energy High Byte	0.1 kWh	Outlet 33	
1017	0x03F8	1016	Custom Active Energy Low Byte	0.1 kWh	Outlet 33	
1018	0x03F9	1017	Apparent Energy High Byte	0.1 kVAh	Outlet 33	
1019	0x03FA	1018	Apparent Energy Low Byte	0.1 kVAh	Outlet 33	
1020	0x03FB	1019	Power Factor Suffix		Outlet 33	LA(1) inductive load LE(-1) capacitive load
1021	0x03FC	1020	Start address outlet		Outlet 34	
1022	0x03FD	1021	Status Outlet 34			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
1023	0x03FE	1022	Current	0.01 A	Outlet 34	
1024	0x03FF	1023	Peak Current	0.01 A	Outlet 34	
1025	0x0400	1024	Power Factor	0.001	Outlet 34	
1026	0x0401	1025	Active Power	1 W	Outlet 34	
1027	0x0402	1026	Peak Active Power	1 W	Outlet 34	
1028	0x0403	1027	Apparent Power	1 VA	Outlet 34	
1029	0x0404	1028	Active Energy High Byte	0.1 kWh	Outlet 34	
1030	0x0405	1029	Active Energy Low Byte	0.1 kWh	Outlet 34	
1031	0x0406	1030	Custom Active Energy High Byte	0.1 kWh	Outlet 34	
1032	0x0407	1031	Custom Active Energy Low Byte	0.1 kWh	Outlet 34	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
1033	0x0408	1032	Apparent Energy High Byte	0.1 kVAh	Outlet 34	
1034	0x0409	1033	Apparent Energy Low Byte	0.1 kVAh	Outlet 34	
1035	0x040A	1034	Power Factor Suffix		Outlet 34	LA(1) inductive load LE(-1) capacitive load
1036	0x040B	1035	Start address outlet		Outlet 35	
1037	0x040C	1036	Status Outlet 35			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)
1038	0x040D	1037	Current	0.01 A	Outlet 35	
1039	0x040E	1038	Peak Current	0.01 A	Outlet 35	
1040	0x040F	1039	Power Factor	0.001	Outlet 35	
1041	0x0410	1040	Active Power	1 W	Outlet 35	
1042	0x0411	1041	Peak Active Power	1 W	Outlet 35	
1043	0x0412	1042	Apparent Power	1 VA	Outlet 35	
1044	0x0413	1043	Active Energy High Byte	0.1 kWh	Outlet 35	
1045	0x0414	1044	Active Energy Low Byte	0.1 kWh	Outlet 35	
1046	0x0415	1045	Custom Active Energy High Byte	0.1 kWh	Outlet 35	
1047	0x0416	1046	Custom Active Energy Low Byte	0.1 kWh	Outlet 35	
1048	0x0417	1047	Apparent Energy High Byte	0.1 kVAh	Outlet 35	
1049	0x0418	1048	Apparent Energy Low Byte	0.1 kVAh	Outlet 35	
1050	0x0419	1049	Power Factor Suffix		Outlet 35	LA(1) inductive load LE(-1) capacitive load
1051	0x041A	1050	Start address outlet		Outlet 36	
1052	0x041B	1051	Status Outlet 36			Offline(-1) Connection Lost(-2) On(0) Off(1) Unknown Error (-128)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
1053	0x041C	1052	Current	0.01 A	Outlet 36	
1054	0x041D	1053	Peak Current	0.01 A	Outlet 36	
1055	0x041E	1054	Power Factor	0.001	Outlet 36	
1056	0x041F	1055	Active Power	1 W	Outlet 36	
1057	0x0420	1056	Peak Active Power	1 W	Outlet 36	
1058	0x0421	1057	Apparent Power	1 VA	Outlet 36	
1059	0x0422	1058	Active Energy High Byte	0.1 kWh	Outlet 36	
1060	0x0423	1059	Active Energy Low Byte	0.1 kWh	Outlet 36	
1061	0x0424	1060	Custom Active Energy High Byte	0.1 kWh	Outlet 36	
1062	0x0425	1061	Custom Active Energy Low Byte	0.1 kWh	Outlet 36	
1063	0x0426	1062	Apparent Energy High Byte	0.1 kVAh	Outlet 36	
1064	0x0427	1063	Apparent Energy Low Byte	0.1 kVAh	Outlet 36	
1065	0x0428	1064	Power Factor Suffix		Outlet 36	LA(1) inductive load LE(-1) capacitive load
1261	0x04EC	1260	GPIO SENSORS Start Address			
1262	0x04ED	1261	GPIO Sensor Digital Output 1			On (0) Off (1)
1282	0x0501	1281	GPIO Sensor Digital Output 2			On (0) Off (1)
1302	0x0515	1301	GPIO Sensor Digital Input 1			Low(1) High(0)
1322	0x0529	1321	GPIO Sensor Digital Input 2			Low(1) High(0)
1342	0x053D	1341	Status Ext Sensor 1		Ext. Sensor 1	Connection Lost (-2) Offline (-1) Okay (active) (0)
1343	0x053E	1342	Humidity	%	Ext. Sensor 1	
1344	0x053F	1343	Peak Humidity	%	Ext. Sensor 1	
1345	0x0540	1344	Temperature	0.1 °C	Ext. Sensor 1	
1346	0x0541	1345	Peak Temperature	0.1 °C	Ext. Sensor 1	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
1362	0x0551	1361	Status Ext Sensor 2		Ext. Sensor 2	Connection Lost (-2) Offline (-1) Okay (active) (0)
1363	0x0552	1362	Humidity	%	Ext. Sensor 2	
1364	0x0553	1363	Peak Humidity	%	Ext. Sensor 2	
1365	0x0554	1364	Temperature	0.1 °C	Ext. Sensor 2	
1366	0x0555	1365	Peak Temperature	0.1 °C	Ext. Sensor 2	
1382	0x0565	1381	Status Ext Sensor 3		Ext. Sensor 3	Connection Lost (-2) Offline (-1) Okay (active) (0)
1383	0x0566	1382	Humidity	%	Ext. Sensor 3	
1384	0x0567	1383	Peak Humidity	%	Ext. Sensor 3	
1385	0x0568	1384	Temperature	0.1 °C	Ext. Sensor 3	
1386	0x0569	1385	Peak Temperature	0.1 °C	Ext. Sensor 3	
1402	0x0579	1401	Status Ext Sensor 4		Ext. Sensor 4	Connection Lost (-2) Offline (-1) Okay (active) (0)
1403	0x057A	1402	Humidity	%	Ext. Sensor 4	
1404	0x057B	1403	Peak Humidity	%	Ext. Sensor 4	
1405	0x057C	1404	Temperature	0.1 °C	Ext. Sensor 4	
1406	0x057D	1405	Peak Temperature	0.1 °C	Ext. Sensor 4	
1422	0x058D	1421	Status Ext Sensor 5		Ext. Sensor 5	Connection Lost (-2) Offline (-1) Okay (active) (0)
1423	0x058E	1422	Humidity	%	Ext. Sensor 5	
1424	0x058F	1423	Peak Humidity	%	Ext. Sensor 5	

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
1425	0x0590	1424	Temperature	0.1 °C	Ext. Sensor 5	
1426	0x0591	1425	Peak Temperature	0.1 °C	Ext. Sensor 5	
1442	0x05A1	1441	Status Ext Sensor 6		Ext. Sensor 6	Connection Lost (-2) Offline (-1) Okay (active) (0)
1443	0x05A2	1442	Humidity	%	Ext. Sensor 6	
1444	0x05A3	1443	Peak Humidity	%	Ext. Sensor 6	
1445	0x05A4	1444	Temperature	0.1 °C	Ext. Sensor 6	
1446	0x05A5	1445	Peak Temperature	0.1 °C	Ext. Sensor 6	
1462	0x05B5	1461	Status Ext Sensor 7		Ext. Sensor 7	Connection Lost (-2) Offline (-1) Okay (active) (0)
1463	0x05B6	1462	Humidity	%	Ext. Sensor 7	
1464	0x05B7	1463	Peak Humidity	%	Ext. Sensor 7	
1465	0x05B8	1464	Temperature	0.1 °C	Ext. Sensor 7	
1466	0x05B9	1465	Peak Temperature	0.1 °C	Ext. Sensor 7	
1482	0x05C9	1481	Status Ext Sensor 8		Ext. Sensor 8	Connection Lost (-2) Offline (-1) Okay (active) (0)
1483	0x05CA	1482	Humidity	%	Ext. Sensor 8	
1484	0x05CB	1483	Peak Humidity	%	Ext. Sensor 8	
1485	0x05CC	1484	Temperature	0.1 °C	Ext. Sensor 8	
1486	0x05CD	1485	Peak Temperature	0.1 °C	Ext. Sensor 8	
1502	0x05DD	1501	Status Ext Sensor 9		Ext. Sensor 9	Connection Lost (-2) Offline (-1) Okay (active) (0)

Register	Address (hex)	Address (dec)	Variable Name	Resolution	Point of measurement	Comment
1503	0x05DE	1502	Humidity	%	Ext. Sensor 9	
1504	0x05DF	1503	Peak Humidity	%	Ext. Sensor 9	
1505	0x05E0	1504	Temperature	0.1 °C	Ext. Sensor 9	
1506	0x05E1	1505	Peak Temperature	0.1 °C	Ext. Sensor 9	
1522	0x05F1	1521	Status Ext Sensor 10		Ext. Sensor 10	Connection Lost (-2) Offline (-1) Okay (active) (0)
1523	0x05F2	1522	Humidity	%	Ext. Sensor 10	
1524	0x05F3	1523	Peak Humidity	%	Ext. Sensor 10	
1525	0x05F4	1524	Temperature	0.1 °C	Ext. Sensor 10	
1526	0x05F5	1525	Peak Temperature	0.1 °C	Ext. Sensor 10	