

# SIEMENS

## VERSICHARGE AC SERIES

### ModBus Map

#### Product Information

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**Note**

This document is valid for Firmware version V2.118 or higher

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[siemens.com/versicharge](https://www.siemens.com/versicharge)

Modbus RTU	Modbus TCP
Baud Rate: 38400	Server Port: 502
Minimum Timeout Setting: 2000 ms	Minimum Timeout Setting: 2000 ms
Minimum Pollrate: 1000 ms	Minimum Pollrate: 1000 ms
8 Data bits	Protocol: IPv4
Even Parity	
1 Stop Bit	

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**Note**

1. The ModBus RTU default device address is 2.
  2. The ModBus TCP communication port supported is 502 and can not be modified.
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# Register Map

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
<b>1. Charger Specification</b>																		
<b>1.1 OEM/Production</b>																		
40001	40005	0	4	9C41	9C45	0	4	Read Manufacturer	5	Group	ASCII	RO	FC 03	No			Siemens AG	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40006	40007	5	6	9C46	9C47	5	6	Read production date	2	Group	UInt16[]	RO	FC 03	No			Word 1 - YYYY Word 2 - MMDD  It is derived from the Serial Number.	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40008	40012	7	11	9C48	9C4C	7	8	Read S/N	5	Group	ASCII	RO	FC 03	No			Product serial number	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40013	40022	12	21	9C4D	9C56	C	15	Read MLFB	10	Group	ASCII	RO	FC 03	No			Product catalog number	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
<b>1.2 Charger HW</b>																		
40023	40023	22	22	9C57	9C57	16	16	Read Platform Type	1	Single	UInt16	RO	FC 03	Yes			1 - Residential, 2 - Commercial 3 - ERK	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40024	40024	23	23	9C58	9C58	17	17	Read time zone of charger	1	Single	UInt16	RO	FC 03	Yes			If UTC time is : -9:00 the register value in minutes will be -540	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40025	40025	24	24	9C59	9C59	18	18	Read number of outlets.	1	Single	UInt16	RO	FC 03	Yes			1 - 1 outlet 2 - 2 outlets	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
40026	40026	25	25	9C5A	9C5A	19	19	Read type of outlet	1	Single	UInt16	RO	FC 03	Yes			0 - Left: socket type 2 1 - Left: cable with plug type 2 (7 m) 2 - Left: socket with shutters type 2 - France 3 - Left: cable with plug type 1 (7 m) 4 - Left: cable with plug type GB-T (6 m) 5 - Front SAE J1772 (20 ft) 6 - Front SAE J1772 (25 ft) 7 - Right: socket type 2 8 - Right: cable with plug type 2 (7 m) 9 - Right: cover type 2 - with shutter and E-plug 10 - Right: cable with plug type 1 (7 m) 11 - Right: cover type 2 - with shutter and F-plug 12 - Right: cover type 2 - with shutter only 13 - (Reserve) 14 - Left and right: socket type 2 15 - Left and Right: cable with plug type 2 (7 m) 16 - Left and Right: cover type 2 - France (7 m) 17 - Left and Right: cable with plug type 1 (7 m) 18 - Left and Right: cable with plug type GB-T (7 m) 19 - CCS1/J1772 (25ft) 20 - (Reserve) 21 - (Reserve) 22 - Blocked	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40027	40027	26	26	9C5B	9C5B	1A	1A	Read status of delay button on charger	1	Single	UInt16	RW	FC 03, FC 06, FC 16	Yes			0 - No delay 1 - 2 Hours delay 2 - 4 Hours delay 3 - 6 Hours delay 4 - 8 Hours delay	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40028	40028	27	27	9C5C	9C5C	1B	1B	Read utilized connectivity stream	1	Single	UInt16	RO	FC 03	Yes			1 - WiFi 2 - Ethernet 3 - Cellular	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
40029	40029	28	28	9C5D	9C5D	1C	1C	Read rated current	1	Single	UInt16	RO	FC 03	No	1	Amp	Rated (Maximum) Amps value which is configured from system configuration (6 to 80 Amps)	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40030	40030	29	29	9C5E	9C5E	1D	1D	Read installation current (DIP switch)	1	Single	UInt16	RO	FC 03	No	1	Amp	Derated setting Value in Ampere (Based on Amp switch setting) (6 to 80 Amps) Below table for ampere rating as per switch position. Switch ----- UL ----- IEC position ----- (amps) --- (amps) 0 ----- 12 ----- 10 1 ----- 16 ----- 13 2 ----- 24 ----- 16 3 ----- 32 ----- 20 4 ----- 40 ----- 32 5 ----- 48 ----- 48  Derated Ampere value is derived from the DIP switch ampere rating and Rated Ampere. For Example: Unit Type: UL Rated Ampere : 32A DIP Switch Ampere rating: 5 (48A) Derated Ampere(Installation current) : 32A  As per the DIP Switch position, ampere rating should be 48A, but as we have Rated Ampere value is 32A, and because of that installation current will be minimum value from the Derated Ampere and DIP switch ampere current.	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40031	40031	30	30	9C5F	9C5F	1E	1E	Read type of meter	1	Single	UInt16	RO	FC 03	Yes			0 - no metering 1 - Basic 2 - ANSI 3 - MID 4 - integrated meter MID 5 - Eichrechtskonform Metering (ERK) 7 - CMC Meter 9 - Onboard CMC 25 - Blocked	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
<b>1.3 Charger SW</b>																		
40032	40036	31	35	9C60	9C64	1F	23	Get FW-Version	5	Group	ASCII	RO	FC 03	No			2.113 / 2.115 / 2.116 / 2.117...	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40037	40041	36	40	9C65	9C69	24	28	Get MO-Version	5	Group	ASCII	RO	FC 03	No			4.3.5/4.3.10...	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40042	40042	41	41	9C6A	9C6A	29	29	Read Modbus Table Version	1	Single	UInt16	RO	FC 03	No			1/2/3/4/....	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40043	40079	42	78	9C6B	9C8F	2A	4E	<b>BUFFER</b>	37	Group		RO	FC 03					

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
<b>2. Authentication</b>																		
40080	40080	79	79	9C90	9C90	4F	4F	RFID activation status	1	Single	UInt16	RW	FC 03, FC 06, FC 16	Yes			0 - RFID Authorization Disabled 1 - RFID Authorization Enabled	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40081	40087	80	86	9C91	9C97	50	56	Add/Remove RFID cards	7	Group	Byte1 - UInt8 Byte4: UInt8 Byte 5 to 14: HEX	WO	FC 16	No			Byte 1 = 1 Add admin card (WO) = 2 Remove admin card (WO) = 3 Add user card (WO) = 4 Remove user card (WO) Byte 2 = Reserved Byte 3 = Reserved Byte 4 = UID Size (RW) Byte 5 to 14 = UID of the RFID card(4, 7 or 10 bytes) (RW)	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid 0x22 - RFID Application User card whitelist have more than 50 RFID Cards
40088	40338	87	337	9C98	9D92	57	151	Read Whitelist	251	Group	Word 1: UInt16 Word 2-251: Hex	RO	FC 03	No			Word 1 - White List Count Word 2-6 - UID RFID 1 ..... Word 247-251 - UID RFID 50	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
40356	40405	355	404	9DA4	9DD5	163	194	<b>BUFFER</b>	50	Group		RO	FC 03	No				

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
<b>3. State of Charger</b>																		
<b>3.1 Charger States</b>																		
41603	41603	1602	1602	A283	A283	642	642	Read PCBA Temperature	1	Single	Int16	RO	FC 03	No	1	°C	On board temperature value	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41605	41629	1604	1628	A285	A29D	644	65C	BUFFER	25	Group		RO	FC 03	No				

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
<b>4. Load Management &amp; Charging Session Analysis</b>																		
<b>4.1 Limit Charging Power &amp; Energy Delivered</b>																		
41630	41630	1629	1629	A29E	A29E	65D	65D	Get/Set Pause	1	Single	UInt16	RW	FC 03, FC 06, FC 16	Yes			1: PAUSE ON 2: PAUSE OFF	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41634	41634	1633	1633	A2A2	A2A2	661	661	Get/Set Max Charging current Sum	1	Single	UInt16	RW	FC 03, FC 06, FC 16	No	1	Amp	Max Charging current Sum	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
<b>4.2 Switch between 1ph- &amp; 3ph-charging</b>																		
41643	41643	1642	1642	A2AB	A2AB	66A	66A	Get/Set 1ph & 3ph charging	1	Single	UInt16	RW	FC 03, FC 06, FC 16	Yes			0 : 1PHASE 1 : 3PHASE	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
<b>4.3 Actual charging values</b>																		
41648	41648	1647	1647	A2B0	A2B0	66F	66F	Get Charging current Phase L1	1	Single	UInt16	RO	FC 03	No	1	Amp	Actual Irms of Phase 1	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
41649	41649	1648	1648	A2B1	A2B1	670	670	Get Charging current Phase L2	1	Single	UInt16	RO	FC 03	No	1	Amp	Actual Irms of Phase 2	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41650	41650	1649	1649	A2B2	A2B2	671	671	Get Charging current Phase L3	1	Single	UInt16	RO	FC 03	No	1	Amp	Actual Irms of Phase 3	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41651	41651	1650	1650	A2B3	A2B3	672	672	Get Charging current Phase Sum	1	Single	UInt16	RO	FC 03	No	1	Amp	Actual Irms of Phase Sum	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41652	41652	1651	1651	A2B4	A2B4	673	673	Get charging Voltage Phase V(L1-N)	1	Single	UInt16	RO	FC 03	No	1	Volt	Actual Vrms of Phase 1	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41653	41653	1652	1652	A2B5	A2B5	674	674	Get charging Voltage Phase V(L2-N)	1	Single	UInt16	RO	FC 03	No	1	Volt	Actual Vrms of Phase 2	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41654	41654	1653	1653	A2B6	A2B6	675	675	Get charging Voltage Phase V(L3-N)	1	Single	UInt16	RO	FC 03	No	1	Volt	Actual Vrms of Phase 3	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
<b>4.4. Charging Fallback Settings</b>																		
41661	41661	1660	1660	A2BD	A2BD	67C	67C	Get/Set fallback current Phase Sum	1	Single	UInt16	RW	FC 03, FC 06, FC 16	No	1	Amp	0, 6-80A Maximum current during loss of connection to Modbus controller	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41662	41662	1661	1661	A2BE	A2BE	67D	67D	Get/Set Fallback time	1	Single	UInt16	RW	FC 03, FC 06, FC 16	No	1	Second	0, 60-600 s Time span between loss of connection to Modbus controller is realized & Fallback current is activated	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
4.5 Additional charging session information																		
41663	41663	1662	1662	A2BF	A2BF	67E	67E	Get Current Charging Speed L1	1	Single	UInt16	RO	FC 03	No	1	Watt	Active Power of Phase 1	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41664	41664	1663	1663	A2C0	A2C0	67F	67F	Get Current Charging Speed L2	1	Single	UInt16	RO	FC 03	No	1	Watt	Active Power of Phase 2	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41665	41665	1664	1664	A2C1	A2C1	680	680	Get Current Charging Speed L3	1	Single	UInt16	RO	FC 03	No	1	Watt	Active Power of Phase 3	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41666	41666	1665	1665	A2C2	A2C2	681	681	Get Current Charging Speed Phase Sum	1	Single	UInt16	RO	FC 03	No	0,1	Watt	Active Power of Phase Sum	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41667	41667	1666	1666	A2C3	A2C3	682	682	Get Power Factor Phase L1	1	Single	UInt16	RO	FC 03	No	0,01		Power Factor of Phase 1	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41668	41668	1667	1667	A2C4	A2C4	683	683	Get Power Factor Phase L2	1	Single	UInt16	RO	FC 03	No	0,01		Power Factor of Phase 2	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41669	41669	1668	1668	A2C5	A2C5	684	684	Get Power Factor Phase L3	1	Single	UInt16	RO	FC 03	No	0,01		Power Factor of Phase 3	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41670	41670	1669	1669	A2C6	A2C6	685	685	Get Power Factor Phase Sum	1	Single	UInt16	RO	FC 03	No	0,01		Power Factor of Phase Sum	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41671	41671	1670	1670	A2C7	A2C7	686	686	Get Apparent Power Phase L1	1	Single	UInt16	RO	FC 03	No	1	volt-amps	Apparent Power Phase L1	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid



Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
41672	41672	1671	1671	A2C8	A2C8	687	687	Get Apparent Power Phase L2	1	Single	UInt16	RO	FC 03	No	1	volt-amps	Apparent Power Phase L2	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41673	41673	1672	1672	A2C9	A2C9	688	688	Get Apparent Power Phase L3	1	Single	UInt16	RO	FC 03	No	1	volt-amps	Apparent Power Phase L3	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41674	41674	1673	1673	A2CA	A2CA	689	689	Get Apparent Power Phase Sum	1	Single	UInt16	RO	FC 03	No	1	volt-amps	Apparent Power Phase Sum	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41675	41675	1674	1674	A2CB	A2CB	68A	68A	Get Reactive Power Phase L1	1	Single	UInt16	RO	FC 03	No	1	volt-amperes reactive	Reactive power Phase 1	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41676	41676	1675	1675	A2CC	A2CC	68B	68B	Get Reactive Power Phase L2	1	Single	UInt16	RO	FC 03	No	1	volt-amperes reactive	Reactive power Phase 2	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41677	41677	1676	1676	A2CD	A2CD	68C	68C	Get Reactive Power Phase L3	1	Single	UInt16	RO	FC 03	No	1	volt-amperes reactive	Reactive power Phase 3	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41678	41678	1677	1677	A2CE	A2CE	68D	68D	Get Reactive Power Phase Sum	1	Single	UInt16	RO	FC 03	No	1	volt-amperes reactive	Reactive power Phase Sum	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41693	41694	1692	1693	A2DD	A2DE	69C	69D	Get Real Energy Consumed Phase Sum	2	Group	UInt32 (Big-endian)	RO	FC 03	No	0,1	WattHours	Real Energy Consumed Phase Sum	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41711	41825	1710	1824	A2EF	A361	6AE	720	<b>BUFFER</b>	115	Group		RO	FC 03	No			<b>BUFFER</b>	

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<b>5. Reset</b>																		
41827	41827	1826	1826	A363	A363	722	722	Reboot Charger	1	Single	UInt16	WO	FC 06, FC 16	Yes			1 - Soft Reset 2 - Hard Reset	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid
41828	41852	1827	1851	A364	A37C	723	73B	BUFFER	25	Group		RO	FC 03	No			BUFFER	

Start address (External)	End address (External)	Start address (Internal)	End address (Internal)	Start address (External) Hex	End address (External) Hex	Start address (Internal) Hex	End address (Internal) Hex	Parameter	Number of 16bit registers	Single / Group	Data type	Access	Supported Function Code	Range Validation	Multiplication Factor	Units	Description	Supported Exceptions
<b>6. Admin Whitelist</b>																		
41853	41878	1852	1877	A37D	A396	73C	755	Read Admin Whitelist	26	Group	Word 1: UInt16 Word 2-26: Hex	RO	FC 03	No			Word 1 - Admin Card White List Count Word 2-6 - Admin Card UID 1 ..... Word 22-26 - Admin Card UID 5	0x01 - Function code not supported 0x02 - The data address received in the query is not an allowable address for the slave. More specifically, the combination of reference number and transfer length is invalid