SIEMENS
VERSICHARGE AC SERIES

ModBus Map
Product Information

Note

This document is valid for Firmware version V2.112 or higher

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	

Note

1. The ModBus RTU default device address is 2, and can be modified by writing a new valid value at register 0xA000.
2. The ModBus TCP communication port supported is 502 and can not be modified.

Address (External)	Address (Hex)	Description	Read/ Write	Size/ Bytes	Data Type	Data Description
40009 - 40010		**Reserved**		4		
40016 - 40022		**Reserved**		34		
40033 - 40058	9C61	Read meter data	Read Only	52		Read 3-phase total/1-phase
					Current - 32-bit Signed	1 & 2 amps,
					Voltage - 32-bit Signed	3 & 4 voltage
					Phase/PF - 32-bit Signed	5 & 6 phase/PF
					Active Power - Watts - 32-bit Signed	7 & 8 active power
					Active Energy - Watt Hour - 64-bit Signed	9, 10, 11 & 12 active energy
					Reactive Powe r- Watts - 32-bit Signed	13 & 14 Reactive power
					Reactive Energy - Watt Hour - 64-bit Signed	15, 16, 17 & 18 reactive energy
					Negative Active Energy - Watt Hour - 64-bit Signed	19, 20, 21 & 22 Negative active energy
					Negative Reactive Energy - Watt Hour - 64-bit Signed	23, 24, 25 & 26 Negative Reactive energy
40059 - 40073		**Reserved**		30		

Address (External)	Address (Hex)	Description	Read/Write	Size/Bytes	Data Type	Data Description
40074	9C8A	Get/Set Power level Setting Value	Read/Write	2	16-bit Signed	Power level Percent (20-100)
40075	9C8B	Get/Set Delay NOTE: Ready/write 0 = 2 hour delay, 1 = 4 hour delay, 2 = 6 hour delay, 3 = 8 hour delay, 4 = no delay. See Data Description column.	Read/Write	2	16-bit Signed	0 - 2 Hours delay 1 - 4 Hours delay 2 - 6 Hours delay 3 - 8 Hours delay 4 - No delay
40076	9C8C	Get/Set Pause	Read/Write	2	16-bit Signed	1 - Pause ON 2 - Pause OFF
40201 - 40207	9D09	1. Add/remove Admin/user card to memory. 2. Authentication request/response. 3. Read UID	Read/Write	14	Hex/ASCII	Byte 1 = 1 Add admin card = 2 Remove admin card (WO) = 3 Add user card (WO) = 4 Remove user card (WO) = 5 Authentication Request (RO) = 6 Authentication Success (WO) = 7 Authentication Fail (WO) = 8 Read UID of session in progress (RO) = 9 last tapped UID information with Authentication status (RO) Byte 2 = 1 Not Authenticated (RO) = 2 Authenticated Locally (RO) = 3 Authenticated Remotely (RO) Byte 3 = Reserved Byte 4 = UID Size (RW) Byte 5 to 14 = UID of the RFID card (4, 7 or 10 bytes) (RW)
40217 - 40300		**Reserved**		168		
40320 - 40799		**Reserved**		960		
40800	9F60	Rated Amps	Read Only	2	16-bit Signed	Rated (Maximum) Amps value which is configured from system configuration (6 to 80 Amps)
40801 - 40813		**Reserved**		26		
40814 - 40818	9F6E	Firmware version	Read Only	10	Hex ASCII	Report Firmware version string
40819	9F73	Unit derating value	Read Only	2	16-bit Signed	Derated setting Value in Ampere (Based on Amp switch setting) (6 to 80 Amps)
40820 - 40825		**Reserved**		12		

Address (External)	Address (Hex)	Description	Read/Write	Size/Bytes	Data Type	Data Description
40826 - 40835	9F7A	Get Catalog No.	Read Only	20	Hex ASCII	Get unit catalog number
40836 - 40850	9F84	Get Serial No.	Read Only	30	Hex ASCII	Get unit serial number
40852		**Reserved**		24		
40877		**Reserved**		166		
40960	A000	Set Device Address	Write Only	2	N/A	N/A