ReadyEdge

MODBUS® Specification

Version 01

2 September 2025

Overview

The **ReadyEdge** supports the industry standard MODBUS**®** application protocol via USB, RS-232, RS-485, and Ethernet. This document assumes the user is familiar with the Modbus protocol and its terminology.

MODBUS® is a registered trademark of Modbus-IDA (www.modbus-ida.org**)**

Parameters

The **ReadyEdge** supports RTU mode only. MODBUS addresses are 16-bit (per the modbus.org spec)

Serial communication parameters:

BPS	9600 baud
Parity	None
Data bits	8
Stop bits	2
Flow control	None

Default TCP communication parameters:

DHCP	enabled
Port	502
MODBUS ID	1
NETBIOS address	RE + serial number (no spaces)
LiveView Web address	http://REXXXXXXX (where X is the serial number)

If DHCP fails, an auto-IP address will be assigned. If DHCP is disabled, the configured static IP address will be used.

Supported Modbus Functions

- Read Device Identification (0x2B, subcode 0x0E)
- Read Coil (0x01); Read Discrete Inputs (0x02); Write Coil (0x05)
- Read Holding Registers (0x03); Read Input Registers (0x04)
- Write Single Register (0x06)

    o   Any write to EEPROM will set an "EEPROM changed" fault. The control must be reset to clear this fault.
    o   Note: No verify is performed on the write.

Connected Products Modbus Bridging

The **ReadyEdge** supports bridging of incoming Modbus TCP/IP requests over its Ethernet interface to Connected Products. This feature can be enabled by the user either through LiveView or by setting the ***EModbusTcpBridgingEnabled*** register.

There are 16 reserved Modbus device addresses, spanning from 200 to 215 inclusive, with each address corresponding to a potential Connected Product. When a Modbus TCP/IP request with a reserved device address is received, it is automatically forwarded to the appropriate Connected Product.

If a Modbus TCP/IP request is a device address that is neither reserved nor the ReadyEdge itself, the request is automatically routed to the EIA-485 network. In cases where the Connected Product fails to respond successfully, Modbus exception code 0x04 – Slave Device Failure (0x04) – is returned.

Units & Scaling Terms

float32   An IEEE748-2008 single-precision number. See the Examples section for conversion formulas.

float16   An IEEE748-2008 half-precision number. See the Examples section for conversion formulas.

uint   An **unsigned** integer. This typically means that the value can range from 0 to 65535. To represent larger numbers, a variable may be stored as two or more unsigned integers.

int   A **signed** integer. This typically means that the value can range from -32768 to +32768.

norm   A normalized float16 number between 0.0 and 1.0

Essential System Information

Addr	Name	Description
0x0000	SOFTWARE_VERSION	Software version. High byte == major version; low byte == minor version. E.g. software version 1.2 looks like (0x0102)
0x0001	SERIAL_NUMBER0	Serial number bytes 0-1
0x0002	SERIAL_NUMBER2	Serial number bytes 2-3
0x0003	SERIAL_NUMBER4	Serial number bytes 4-5
0x0004	SERIAL_NUMBER6	Serial number bytes 6-7
0x0005	SOFTWARE_PATCHLEVEL	Software patch level

Filtered ADC values

Addr	Name	Description	Units	Scaling
0x0016	VDC1_DISPLAY	Filtered voltage from VDC1	V	float16
0x0017	VDC2_DISPLAY	Filtered voltage from VDC2	V	float16
0x0018	VDC3_DISPLAY	Filtered voltage from VDC3	V	float16
0x0019	VIN_DISPLAY	Filtered voltage from VIN	V	float16
0x001a	12VOUT_DISPLAY	Filtered voltage from 12v Output	V	float16

Temperature Readings

Addr	Name	Description	Units	Scaling
0x0076	TEMP_RTS1	Remote temperature sensor 1 temperature	C	float16
0x0077	TEMP_RTS2	Remote temperature sensor 2 temperature	C	float16

Vac Sense

Addr	Name	Description	Scaling
0x0082	VAC_DETECTED	Indicates if a valid AC input voltage has been detected; Zero when no valid input is detected	bool

State of Charge

Addr	Name	Description	Units	Scaling
0x0083	BATT_SOC	Battery state of charge	norm	float16
0x0084	BATT_SOC_MIN_DAILY	Minimum battery state of charge daily	norm	float16
0x0085	BATT_SOC_MAX_DAILY	Maximum battery state of charge daily	norm	float16

Faults and Alarms

Addr	Name	Description
0x01e2	FAULT_0	System fault bitfield 0: system_eeprom 2: software 6: system_setting_edit 19: minboot 29: system_setting_bad 30: hardware
0x01e3	FAULT_1	
0x01e4	FAULT_2	
0x01e5	FAULT_3	
0x01e6	FAULT_DAILY_0	System fault daily bitfield 0: system_eeprom 2: software 6: system_setting_edit 19: minboot 29: system_setting_bad 30: hardware
0x01e7	FAULT_DAILY_1	
0x01e8	FAULT_DAILY_2	
0x01e9	FAULT_DAILY_3	
0x01ea	ALARM_0	Alarm bitfield 0: RTS1_open 1: RTS1_short 2: RTS1_disc 9: product_missing 14: soc_invalid 15: RTS2_open 16: RTS2_short 17: RTS2_disc 20: tanksense_open 21: tanksense_short 22: tanksense_low 23: tanksense_bad_range 24: eeprom 25: ethernet 27: software 29: extflash 33: rtc_lowbatt 35: rtc_wrong 36: rtc_hardware 41: wireless_fail 42: hardware 43: unknown_blocktype

		44: block1_hardware
		45: block2_hardware
		46: block3_hardware
		47: block4_hardware
		48: block5_hardware
		49: block6_hardware
		50: genstart_primary_fail
		52: schedule_publisher_fail
		55: connected_product_addr_conflict
		56: incorrect_installer_pw
0x01eb	ALARM_1	
0x01ec	ALARM_2	
0x01ed	ALARM_3	
0x01ee	ALARM_DAILY_0	Alarm daily bitfield
		0: RTS1_open
		1: RTS1_short
		2: RTS1_disc
		9: product_missing
		14: soc_invalid
		15: RTS2_open
		16: RTS2_short
		17: RTS2_disc
		20: tanksense_open
		21: tanksense_short
		22: tanksense_low
		23: tanksense_bad_range
		24: eeprom
		25: ethernet
		27: software
		29: extflash
		33: rtc_lowbatt
		35: rtc_wrong
		36: rtc_hardware
		41: wireless_fail
		42: hardware
		43: unknown_blocktype
		44: block1_hardware
		45: block2_hardware
		46: block3_hardware
		47: block4_hardware
		48: block5_hardware
		49: block6_hardware
		50: genstart_primary_fail
		52: schedule_publisher_fail
		55: connected_product_addr_conflict
		56: incorrect_installer_pw
0x01ef	ALARM_DAILY_1	
0x01f0	ALARM_DAILY_2	

0x01f1	ALARM_DAILY_3	
0x0202	FAULT_POWERSUPPLY_0	Power Supply fault bitfield 0: p12 2: p3 5: p1_2 7: p12_extbb 8: p3_ext 11: 12vout 12: 12vout_oc
0x0203	FAULT_POWERSUPPLY_1	
0x0204	FAULT_POWERSUPPLY_DAILY_0	Power supply fault daily bitfield 0: p12 2: p3 5: p1_2 7: p12_extbb 8: p3_ext 11: 12vout 12: 12vout_oc
0x0205	FAULT_POWERSUPPLY_DAILY_1	
0x0206	BLOCK_FAULT_0	ReadyBlock subsystem fault bitfield 0: block1_missing 1: block2_missing 2: block3_missing 3: block4_missing 4: block5_missing 5: block6_missing 8: block1_remote_fault 9: block2_remote_fault 10: block3_remote_fault 11: block4_remote_fault 12: block5_remote_fault 13: block6_remote_fault 16: block1_hardware_version 17: block2_hardware_version 18: block3_hardware_version 19: block4_hardware_version 20: block5_hardware_version 21: block6_hardware_version 24: block1_fixable_fault 25: block2_fixable_fault 26: block3_fixable_fault 27: block4_fixable_fault 28: block5_fixable_fault 29: block6_fixable_fault
0x0207	BLOCK_FAULT_1	
0x0208	BLOCK_FAULT_DAILY_0	ReadyBlock subsystem fault daily bitfield 0: block1_missing

Addr	Name		Description	Units	Scaling
		1: block2_missing 2: block3_missing 3: block4_missing 4: block5_missing 5: block6_missing 8: block1_remote_fault 9: block2_remote_fault 10: block3_remote_fault 11: block4_remote_fault 12: block5_remote_fault 13: block6_remote_fault 16: block1_hardware_version 17: block2_hardware_version 18: block3_hardware_version 19: block4_hardware_version 20: block5_hardware_version 21: block6_hardware_version 24: block1_fixable_fault 25: block2_fixable_fault 26: block3_fixable_fault 27: block4_fixable_fault 28: block5_fixable_fault 29: block6_fixable_fault			
0x0209	BLOCK_FAULT_DAILY_1				

Daily Log

Addr	Name	Description	Units	Scaling
0x0230	BATT_SOC_MIN_HOURLY	Minimum SOC % hourly	norm	float16
0x0231	BATT_SOC_MAX_HOURLY	Maximum SOC % hourly	norm	float16
0x023c	VIN_MIN_DAILY	Minimum input voltage daily	V	float16
0x023d	VIN_MAX_DAILY	Maximum input voltage daily	V	float16
0x023e	TANK_LEVEL_MIN_DAILY	Minimum tank sensor level daily	norm	float16
0x023f	TANK_LEVEL_MAX_DAILY	Maximum tank sensor level daily	norm	float16
0x0244	RTS1_MIN_DAILY	Minimum remote temperature sensor 1 daily	norm	float16
0x0245	RTS1_MAX_DAILY	Maximum remote temperature sensor 1 daily	norm	float16
0x0246	RTS2_MIN_DAILY	Minimum remote temperature sensor 2 daily	norm	float16
0x0247	RTS2_MAX_DAILY	Maximum remote temperature sensor 2 daily	norm	float16

LED State

Addr	Name	Description	Scaling
0x0270	LED_STATE	Indicates the state of the LEDs as a bitfield; bit0 is LSbit. bit 0-1: STATUS_RED bit 2-3: STATUS_GREEN bit 4-5: BLUETOOTH_BLUE bit 6-7: IOT_GREEN bit 8-9: WRITEPROT_RED bit 10-11: WRITEPROT_GREEN bit 12-15: reserved; must ignore on reads and write as zeroes.	bitfield16

Tank Sensor

Addr	Name	Description	Units	Scaling
0x0271	TANK_LEVEL	Reports the current tank level	norm	float16

Time and Date

Addr	Name	Description	Units	Scaling
0x0276	HOURMETER_0	How long the control has ever been on	h	uint
0x0277	HOURMETER_1			
0x0278	REALTIMECLOCK_TIMEU_0	Current local time as a TimeU value. TimeU is the number of seconds since 2000-Jan-01 00:00:00 (UTC). If you have a time in the Unix epoch (1970-Jan-01 00:00:00 UTC) and want to convert to TimeU, subtract 946 684 800 seconds; to go the other way, add that many seconds.	s	uint
0x0279	REALTIMECLOCK_TIMEU_1			
0x027a	REALTIMECLOCK_UTC_OFFSET	UTC offset	min	int

DC Output

Addr	Name	Description	Scaling
0x03f4	DC_OUTPUT_STATE	DC output switch state; true if DC voltage output is on	bool

Network Information

Addr	Name	Description
0x0f00	NETBIOS_NAME_0	NetBIOS name; The format is <device-prefix><serial-number>

0x0f01	NETBIOS_NAME_1	
0x0f02	NETBIOS_NAME_2	
0x0f03	NETBIOS_NAME_3	
0x0f04	NETBIOS_NAME_4	
0x0f05	NETBIOS_NAME_5	
0x0f06	NETBIOS_NAME_6	
0x0f07	NETBIOS_NAME_7	
0x0f08	CURRENT_IP_ADDR_0	Current network IP address in use expressed as a 32-bit unsigned integer in little-endian order. Other network addresses follow this word order. E.g., 192.168.10.170 would appear as IP_ADDR_0==0x0AAA, IP_ADDR_1==0xC0A8
0x0f09	CURRENT_IP_ADDR_1	
0x0f0a	CURRENT_NET_MASK_0	Current Subnet Mask in use
0x0f0b	CURRENT_NET_MASK_1	
0x0f0c	CURRENT_DEFAULT_GW_0	Current Default Gateway in use
0x0f0d	CURRENT_DEFAULT_GW_1	
0x0f0e	CURRENT_PRIMARY_DNS_0	Current Primary DNS in use
0x0f0f	CURRENT_PRIMARY_DNS_1	
0x0f10	CURRENT_SECONDARY_DNS_0	Current Secondary DNS in use
0x0f11	CURRENT_SECONDARY_DNS_1	

IoT Status

Addr	Name	Description
0x0f14	IOT_CONNECTION_STATUS	IoT Connection Status 0 = Not Connected 1 = Connected
0x0f15	IOT_REGISTRATION_STATUS	IoT Registration Status 0 = Not Registered 1 = Registered 2 = Unknown registration status

Digital User Input State

Addr	Name	Description	Scaling
0x0f31	DIGITAL_INPUT_D1	Digital Input 1 State; True when signal is high/closed	bool
0x0f32	DIGITAL_INPUT_D2	Digital Input 2 State; True when signal is	bool

		high/closed	
0x0f33	DIGITAL_INPUT_D3	Digital Input 3 State; True when signal is high/closed	bool
0x0f34	DIGITAL_INPUT_D4	Digital Input 4 State; True when signal is high/closed	bool
0x0f35	DIGITAL_INPUT_D5	Digital Input 5 State; True when signal is high/closed	bool
0x0f36	DIGITAL_INPUT_D6	Digital Input 6 State; True when signal is high/closed	bool

Digital User Input Alert State

Addr	Name	Description	Scaling
0x0f4d	DIGITAL_INPUT_D1_ALERT	Digital Input 1 Alert State; True if active	bool
0x0f4e	DIGITAL_INPUT_D2_ALERT	Digital Input 2 Alert State; True if active	bool
0x0f4f	DIGITAL_INPUT_D3_ALERT	Digital Input 3 Alert State; True if active	bool
0x0f50	DIGITAL_INPUT_D4_ALERT	Digital Input 4 Alert State; True if active	bool
0x0f51	DIGITAL_INPUT_D5_ALERT	Digital Input 5 Alert State; True if active	bool
0x0f52	DIGITAL_INPUT_D6_ALERT	Digital Input 6 Alert State; True if active	bool
0x0f53	DIGITAL_INPUT_ALERT_DAILY	Indicates which Digital Inputs have alerted today; Each bit corresponds to an input, where LSbit is Digital Input 1	bitfield16

Modbus Settings

Addr	Name	Description
0x1019	Emodbus_id	This device's Modbus address (1 to 247)
0x101a	Ebaudrate_mb232	Baudrate for serial Modbus; E.g., 96 means 9600 baud

Network Settings

Addr	Name	Description
0x1060	EIPAddr	This device's static IP address, in host (little-endian) order. Only meaningful if DHCP is disabled.
0x1062	ENetMask	This device's static IP netmask. Only meaningful if DHCP is disabled
0x1064	EGateway	This device's static IP gateway. Only meaningful if DHCP is disabled
0x1066	EPrimaryDNSServer	This device's static IP primary DNS server to use. Only meaningful if DHCP is disabled

0x1068	ESecondaryDNSServer	This device's static IP secondary DNS server to use. Only meaningful if DHCP is disabled
0x1072	EIsDHCPEnabled	DHCP status. If DHCP is disabled, the control will use static IP settings. 0==disabled, 1==enabled.
0x1075	EHTTPPort	HTTP port number
0x1076	EMBIPPort	Modbus IP port number
0x1077	EModbusTcpBridgingEnabled	Modbus bridging status; 0==disabled, 1==enabled
0x107b	EWirelessEnable	Wireless communications mode. Depending on value, the corresponding wireless radio will be turned on and will advertise for connections, etc. When this value is written, it applies immediately without requiring a reboot. 0 == disabled 1 == Bluetooth ON
0x107c	EIoTEnable	Enable/disable IoT. Determines whether the device attempts to contact the cloud. Applied immediately on change. 0 = disabled, 1 = enabled.
0x10a0	ENTP1_Server	NTP Server 1 254-char FQDN. If it is not full length, it will be nul-terminated. If it's full length and not nul-terminated, it will revert to a default NTP server.
0x111f	ENTP2_Server	NTP Server 2 254-char FQDN. If it is not full length, it will be nul-terminated. If it's full length and not nul-terminated, it will revert to a default NTP server.
0x119e	ENTP3_Server	NTP Server 3 254-char FQDN. If it is not full length, it will be nul-terminated. If it's full length and not nul-terminated, it will revert to a default NTP server.

SOC Settings

Addr	Name	Description	Units	Scaling
0x127d	ESocEfficiencyFactor	While coulomb counting, this percent is used to adjust the amp-hours charged and discharged before they are included in the count.	norm	float16
0x127e	ESocCurrentSetpointPercent	This value, when multiplied by the total battery capacity, determines the net battery current setpoint (in amps) used by the coulomb counter; If the net battery current falls below this setpoint, the battery is considered to be fully charged; The default value is 0.02 (2%)	norm	float16
0x127f	EDurationUntil100Soc	100% SOC is set when the 100% SOC conditions are met for this amount of time.	s	uint
0x1286	EbatteryBankCapacity	Size of the battery bank	Ah	float16

DC Output Settings

Addr	Name	Description	Scaling
0x1293	EforceDcOutputOn	force 12V DC output; 1==on, 0==off	bool

Tank Sensor Settings

Addr	Name	Description
0x129a	EtankSensorStandard	Defines which tank level sensor ranges to use: 0 = None 1 = North American (240 ohm = empty, 33 ohm = full) 2 = European/EU (0 ohm = empty, 180 ohm = full)
0x12af	EtankSensorAlarmThreshold	If greater than 0.0, an alarm will be set when the tank level drops below this value ; e.g., 0.0 means alarm is disabled and 0.5 means alarm when less than 50% full.

Labels

Addr	Name	Description
0x12b2	ElocalDcInput1Label	16 char label for local DC Input 1. Can be full length and may not be nul-terminated.
0x12ba	ElocalDcInput2Label	16 char label for local DC Input 2. Can be full length and may not be nul-terminated.
0x12c2	ElocalDcInput3Label	16 char label for local DC Input 3. Can be full length and may not be nul-terminated.
0x12ca	ERts1Label	16 char label for RTS 1. Can be full length and may not be nul-terminated.
0x12d2	ERts2Label	16 char label for RTS 2. Can be full length and may not be nul-terminated.
0x12da	ElocalDigitalInput1Label	16 char label for local Digital Input 1. Can be full length and may not be nul-terminated.
0x12e2	ElocalDigitalInput2Label	16 char label for local Digital Input 2. Can be full length and may not be nul-terminated.
0x12ea	ElocalDigitalInput3Label	16 char label for local Digital Input 3. Can be full length and may not be nul-terminated.
0x12f2	ElocalDigitalInput4Label	16 char label for local Digital Input 4. Can be full length and may not be nul-terminated.
0x12fa	ElocalDigitalInput5Label	16 char label for local Digital Input 5. Can be full length and may not be nul-terminated.
0x1302	ElocalDigitalInput6Label	16 char label for local Digital Input 6. Can be full length and may not be nul-terminated.

SNMP Settings

Addr	Name	Description
0x130a	ESnmpEnabledVersions	Bitfield describing which SNMP versions are enabled; 0 means SNMP is disabled bit 0: SNMPv1 bit 1: SNMPv2c bit 2: SNMPv3
0x130b	ESnmpV3DefaultUserEnabled	Whether or not the SNMPv3 default user is enabled. If set to 1, a default user with known credentials will be created on boot and/or when a custom Engine ID is set. Its credentials can be changed by the user, but will be reset to the default values if the Engine ID changes. Default credentials: Username: "defaultUser" Auth password: "defaultAuthPwd", auth algorithm: SHA Priv password: "defaultPrivPwd", priv algorithm: AES
0x130c	ESnmpReadCommunity	SNMP read community string, used for authentication. This may not be null terminated, if the community takes the full length of the array. The SNMP agent will allocate an extra byte and null terminate it if needed.
0x131c	ESnmpWriteCommunity	SNMP write community string, used for authentication. This may not be null terminated, if the community takes the full length of the array. The SNMP agent will allocate an extra byte and null terminate it if needed.

Connected Products Settings

Addr	Name	Description
0x1f53	EConnectedProduct_0_Type	Type of the Connected Product that we expect to be in this slot. 0xFFFF = no product in this slot 0x0000 = unknown product 0x0100 = TriStar-PWM 0x0104 = TriStar-MPPT 0x0105 = SunSaver-MPPT 0x0106 = SureSine-300 0x0109 = TriStar-MPPT-600V 0x010A = ProStar-MPPT 0x010D = ProStar-PWM
0x1f54	EConnectedProduct_0_Serial	Serial number as ASCII text; may be nul-terminated if shorter than 8 bytes, though may run the full 8 bytes with no terminator.
0x1f58	EConnectedProduct_0_BusAndAddress	Bus (physical port) in the upper byte, Modbus device address in the lower byte 0 = RJ11_A 1 = RJ11_B 2 = RS232_A 3 = RS232_B 4 = RS485
0x1f59	EConnectedProduct_0_Reserved	Reserved for future use; clients must not write to any reserved

		registers.
0x1f62	EConnectedProduct_0_ReservedLast	
0x1f63	EConnectedProduct_1_Type	
0x1f64	EConnectedProduct_1_Serial	
0x1f68	EConnectedProduct_1_BusAndAddress	
0x1f69	EConnectedProduct_1_Reserved	
0x1f72	EConnectedProduct_1_ReservedLast	
0x1f73	EConnectedProduct_2_Type	
0x1f74	EConnectedProduct_2_Serial	
0x1f78	EConnectedProduct_2_BusAndAddress	
0x1f79	EConnectedProduct_2_Reserved	
0x1f82	EConnectedProduct_2_ReservedLast	
0x1f83	EConnectedProduct_3_Type	
0x1f84	EConnectedProduct_3_Serial	
0x1f88	EConnectedProduct_3_BusAndAddress	
0x1f89	EConnectedProduct_3_Reserved	
0x1f92	EConnectedProduct_3_ReservedLast	
0x1f93	EConnectedProduct_4_Type	
0x1f94	EConnectedProduct_4_Serial	
0x1f98	EConnectedProduct_4_BusAndAddress	
0x1f99	EConnectedProduct_4_Reserved	
0x1fa2	EConnectedProduct_4_ReservedLast	
0x1fa3	EConnectedProduct_5_Type	
0x1fa4	EConnectedProduct_5_Serial	
0x1fa8	EConnectedProduct_5_BusAndAddress	
0x1fa9	EConnectedProduct_5_Reserved	
0x1fb2	EConnectedProduct_5_ReservedLast	
0x1fb3	EConnectedProduct_6_Type	
0x1fb4	EConnectedProduct_6_Serial	
0x1fb8	EConnectedProduct_6_BusAndAddress	
0x1fb9	EConnectedProduct_6_Reserved	
0x1fc2	EConnectedProduct_6_ReservedLast	

0x1fc3	EConnectedProduct_7_Type	
0x1fc4	EConnectedProduct_7_Serial	
0x1fc8	EConnectedProduct_7_BusAndAddress	
0x1fc9	EConnectedProduct_7_Reserved	
0x1fd2	EConnectedProduct_7_ReservedLast	
0x1fd3	EConnectedProduct_8_Type	
0x1fd4	EConnectedProduct_8_Serial	
0x1fd8	EConnectedProduct_8_BusAndAddress	
0x1fd9	EConnectedProduct_8_Reserved	
0x1fe2	EConnectedProduct_8_ReservedLast	
0x1fe3	EConnectedProduct_9_Type	
0x1fe4	EConnectedProduct_9_Serial	
0x1fe8	EConnectedProduct_9_BusAndAddress	
0x1fe9	EConnectedProduct_9_Reserved	
0x1ff2	EConnectedProduct_9_ReservedLast	
0x1ff3	EConnectedProduct_10_Type	
0x1ff4	EConnectedProduct_10_Serial	
0x1ff8	EConnectedProduct_10_BusAndAddress	
0x1ff9	EConnectedProduct_10_Reserved	
0x2002	EConnectedProduct_10_ReservedLast	
0x2003	EConnectedProduct_11_Type	
0x2004	EConnectedProduct_11_Serial	
0x2008	EConnectedProduct_11_BusAndAddress	
0x2009	EConnectedProduct_11_Reserved	
0x2012	EConnectedProduct_11_ReservedLast	
0x2013	EConnectedProduct_12_Type	
0x2014	EConnectedProduct_12_Serial	
0x2018	EConnectedProduct_12_BusAndAddress	
0x2019	EConnectedProduct_12_Reserved	
0x2022	EConnectedProduct_12_ReservedLast	
0x2023	EConnectedProduct_13_Type	
0x2024	EConnectedProduct_13_Serial	

0x2028	EConnectedProduct_13_BusAndAddress	
0x2029	EConnectedProduct_13_Reserved	
0x2032	EConnectedProduct_13_ReservedLast	
0x2033	EConnectedProduct_14_Type	
0x2034	EConnectedProduct_14_Serial	
0x2038	EConnectedProduct_14_BusAndAddress	
0x2039	EConnectedProduct_14_Reserved	
0x2042	EConnectedProduct_14_ReservedLast	
0x2043	EConnectedProduct_15_Type	
0x2044	EConnectedProduct_15_Serial	
0x2048	EConnectedProduct_15_BusAndAddress	
0x2049	EConnectedProduct_15_Reserved	
0x2052	EConnectedProduct_15_ReservedLast	

Usage Info

Addr	Name	Description	Units	Scaling
0x2213	Evin_min	Vin minimum we've seen since last user min/max reset	V	float16
0x2214	Evin_max	Vin maximum we've seen since last user min/max reset	V	float16

Connected Products Live Data

Addr	Name	Description
0x3500	CONNECTED_PRODUCT_0_TYPE	Type of the Connected Product that we expect to be in this slot. 0xFFFF = no product in this slot 0x0000 = unknown product 0x0100 = TriStar-PWM 0x0104 = TriStar-MPPT 0x0105 = SunSaver-MPPT 0x0106 = SureSine-300 0x0109 = TriStar-MPPT-600V 0x010A = ProStar-MPPT 0x010D = ProStar-PWM
0x3501	CONNECTED_PRODUCT_0_SERIAL_0	Serial number bytes 0-1
0x3502	CONNECTED_PRODUCT_0_SERIAL_1	
0x3503	CONNECTED_PRODUCT_0_SERIAL_2	
0x3504	CONNECTED_PRODUCT_0_SERIAL_3	

0x3505	CONNECTED_PRODUCT_0_BUS_AND_ADDR	Bus (physical port) in the upper byte and Modbus device address in the lower byte at which we last saw the product connected. Note that this may change if the user changes cabling or changes the product's Modbus address.
0x3506	CONNECTED_PRODUCT_0_STATUS	Status of this Connected Product, which indicates if the remaining Modbus registers and coils can be trusted. 0x0000 = product is talking 0xFFFD = a different product responded to us at our Modbus device address, so there must be an address conflict on the bus. Must be resolved by the user. 0xFFFE = product was talking at some point but has stopped talking. 0xFFFF = product isn't yet talking or has started talking but we haven't received all its data yet.
0x3507	CONNECTED_PRODUCT_0_HW_VERSION	Hardware version as 0xAABB where AA is major version, BB is minor version
0x3508	CONNECTED_PRODUCT_0_SW_VERSION	Software version as 0xAABB where AA is major version, BB is minor version
0x3509	CONNECTED_PRODUCT_0_SW_PATCHLEVEL	Software patch level
0x350a	CONNECTED_PRODUCT_0_RESERVED_0	(reserved for future expansion)
0x350b	CONNECTED_PRODUCT_0_RESERVED_1	
0x350c	CONNECTED_PRODUCT_0_RESERVED_2	
0x350d	CONNECTED_PRODUCT_0_RESERVED_3	
0x350e	CONNECTED_PRODUCT_0_RESERVED_4	
0x350f	CONNECTED_PRODUCT_0_RESERVED_5	
0x3510	CONNECTED_PRODUCT_0_DATA_FIRST	First register of product-specific data
0x354f	CONNECTED_PRODUCT_0_DATA_LAST	Last register of product-specific data
0x3550	CONNECTED_PRODUCT_1_TYPE	
0x3551	CONNECTED_PRODUCT_1_SERIAL_0	
0x3552	CONNECTED_PRODUCT_1_SERIAL_1	
0x3553	CONNECTED_PRODUCT_1_SERIAL_2	
0x3554	CONNECTED_PRODUCT_1_SERIAL_3	
0x3555	CONNECTED_PRODUCT_1_BUS_AND_ADDR	
0x3556	CONNECTED_PRODUCT_1_STATUS	
0x3557	CONNECTED_PRODUCT_1_HW_VERSION	
0x3558	CONNECTED_PRODUCT_1_SW_VERSION	
0x3559	CONNECTED_PRODUCT_1_SW_PATCHLEVEL	
0x355a	CONNECTED_PRODUCT_1_RESERVED_0	

0x355b	CONNECTED_PRODUCT_1_RESERVED_1	
0x355c	CONNECTED_PRODUCT_1_RESERVED_2	
0x355d	CONNECTED_PRODUCT_1_RESERVED_3	
0x355e	CONNECTED_PRODUCT_1_RESERVED_4	
0x355f	CONNECTED_PRODUCT_1_RESERVED_5	
0x3560	CONNECTED_PRODUCT_1_DATA_FIRST	
0x359f	CONNECTED_PRODUCT_1_DATA_LAST	
0x35a0	CONNECTED_PRODUCT_2_TYPE	
0x35a1	CONNECTED_PRODUCT_2_SERIAL_0	
0x35a2	CONNECTED_PRODUCT_2_SERIAL_1	
0x35a3	CONNECTED_PRODUCT_2_SERIAL_2	
0x35a4	CONNECTED_PRODUCT_2_SERIAL_3	
0x35a5	CONNECTED_PRODUCT_2_BUS_AND_ADDR	
0x35a6	CONNECTED_PRODUCT_2_STATUS	
0x35a7	CONNECTED_PRODUCT_2_HW_VERSION	
0x35a8	CONNECTED_PRODUCT_2_SW_VERSION	
0x35a9	CONNECTED_PRODUCT_2_SW_PATCHLEVEL	
0x35aa	CONNECTED_PRODUCT_2_RESERVED_0	
0x35ab	CONNECTED_PRODUCT_2_RESERVED_1	
0x35ac	CONNECTED_PRODUCT_2_RESERVED_2	
0x35ad	CONNECTED_PRODUCT_2_RESERVED_3	
0x35ae	CONNECTED_PRODUCT_2_RESERVED_4	
0x35af	CONNECTED_PRODUCT_2_RESERVED_5	
0x35b0	CONNECTED_PRODUCT_2_DATA_FIRST	
0x35ef	CONNECTED_PRODUCT_2_DATA_LAST	
0x35f0	CONNECTED_PRODUCT_3_TYPE	
0x35f1	CONNECTED_PRODUCT_3_SERIAL_0	
0x35f2	CONNECTED_PRODUCT_3_SERIAL_1	
0x35f3	CONNECTED_PRODUCT_3_SERIAL_2	
0x35f4	CONNECTED_PRODUCT_3_SERIAL_3	
0x35f5	CONNECTED_PRODUCT_3_BUS_AND_ADDR	
0x35f6	CONNECTED_PRODUCT_3_STATUS	

0x35f7	CONNECTED_PRODUCT_3_HW_VERSION	
0x35f8	CONNECTED_PRODUCT_3_SW_VERSION	
0x35f9	CONNECTED_PRODUCT_3_SW_PATCHLEVEL	
0x35fa	CONNECTED_PRODUCT_3_RESERVED_0	
0x35fb	CONNECTED_PRODUCT_3_RESERVED_1	
0x35fc	CONNECTED_PRODUCT_3_RESERVED_2	
0x35fd	CONNECTED_PRODUCT_3_RESERVED_3	
0x35fe	CONNECTED_PRODUCT_3_RESERVED_4	
0x35ff	CONNECTED_PRODUCT_3_RESERVED_5	
0x3600	CONNECTED_PRODUCT_3_DATA_FIRST	
0x363f	CONNECTED_PRODUCT_3_DATA_LAST	
0x3640	CONNECTED_PRODUCT_4_TYPE	
0x3641	CONNECTED_PRODUCT_4_SERIAL_0	
0x3642	CONNECTED_PRODUCT_4_SERIAL_1	
0x3643	CONNECTED_PRODUCT_4_SERIAL_2	
0x3644	CONNECTED_PRODUCT_4_SERIAL_3	
0x3645	CONNECTED_PRODUCT_4_BUS_AND_ADDR	
0x3646	CONNECTED_PRODUCT_4_STATUS	
0x3647	CONNECTED_PRODUCT_4_HW_VERSION	
0x3648	CONNECTED_PRODUCT_4_SW_VERSION	
0x3649	CONNECTED_PRODUCT_4_SW_PATCHLEVEL	
0x364a	CONNECTED_PRODUCT_4_RESERVED_0	
0x364b	CONNECTED_PRODUCT_4_RESERVED_1	
0x364c	CONNECTED_PRODUCT_4_RESERVED_2	
0x364d	CONNECTED_PRODUCT_4_RESERVED_3	
0x364e	CONNECTED_PRODUCT_4_RESERVED_4	
0x364f	CONNECTED_PRODUCT_4_RESERVED_5	
0x3650	CONNECTED_PRODUCT_4_DATA_FIRST	
0x368f	CONNECTED_PRODUCT_4_DATA_LAST	
0x3690	CONNECTED_PRODUCT_5_TYPE	
0x3691	CONNECTED_PRODUCT_5_SERIAL_0	
0x3692	CONNECTED_PRODUCT_5_SERIAL_1	

0x3693	CONNECTED_PRODUCT_5_SERIAL_2	
0x3694	CONNECTED_PRODUCT_5_SERIAL_3	
0x3695	CONNECTED_PRODUCT_5_BUS_AND_ADDR	
0x3696	CONNECTED_PRODUCT_5_STATUS	
0x3697	CONNECTED_PRODUCT_5_HW_VERSION	
0x3698	CONNECTED_PRODUCT_5_SW_VERSION	
0x3699	CONNECTED_PRODUCT_5_SW_PATCHLEVEL	
0x369a	CONNECTED_PRODUCT_5_RESERVED_0	
0x369b	CONNECTED_PRODUCT_5_RESERVED_1	
0x369c	CONNECTED_PRODUCT_5_RESERVED_2	
0x369d	CONNECTED_PRODUCT_5_RESERVED_3	
0x369e	CONNECTED_PRODUCT_5_RESERVED_4	
0x369f	CONNECTED_PRODUCT_5_RESERVED_5	
0x36a0	CONNECTED_PRODUCT_5_DATA_FIRST	
0x36df	CONNECTED_PRODUCT_5_DATA_LAST	
0x36e0	CONNECTED_PRODUCT_6_TYPE	
0x36e1	CONNECTED_PRODUCT_6_SERIAL_0	
0x36e2	CONNECTED_PRODUCT_6_SERIAL_1	
0x36e3	CONNECTED_PRODUCT_6_SERIAL_2	
0x36e4	CONNECTED_PRODUCT_6_SERIAL_3	
0x36e5	CONNECTED_PRODUCT_6_BUS_AND_ADDR	
0x36e6	CONNECTED_PRODUCT_6_STATUS	
0x36e7	CONNECTED_PRODUCT_6_HW_VERSION	
0x36e8	CONNECTED_PRODUCT_6_SW_VERSION	
0x36e9	CONNECTED_PRODUCT_6_SW_PATCHLEVEL	
0x36ea	CONNECTED_PRODUCT_6_RESERVED_0	
0x36eb	CONNECTED_PRODUCT_6_RESERVED_1	
0x36ec	CONNECTED_PRODUCT_6_RESERVED_2	
0x36ed	CONNECTED_PRODUCT_6_RESERVED_3	
0x36ee	CONNECTED_PRODUCT_6_RESERVED_4	
0x36ef	CONNECTED_PRODUCT_6_RESERVED_5	
0x36f0	CONNECTED_PRODUCT_6_DATA_FIRST	

0x372f	CONNECTED_PRODUCT_6_DATA_LAST	
0x3730	CONNECTED_PRODUCT_7_TYPE	
0x3731	CONNECTED_PRODUCT_7_SERIAL_0	
0x3732	CONNECTED_PRODUCT_7_SERIAL_1	
0x3733	CONNECTED_PRODUCT_7_SERIAL_2	
0x3734	CONNECTED_PRODUCT_7_SERIAL_3	
0x3735	CONNECTED_PRODUCT_7_BUS_AND_ADDR	
0x3736	CONNECTED_PRODUCT_7_STATUS	
0x3737	CONNECTED_PRODUCT_7_HW_VERSION	
0x3738	CONNECTED_PRODUCT_7_SW_VERSION	
0x3739	CONNECTED_PRODUCT_7_SW_PATCHLEVEL	
0x373a	CONNECTED_PRODUCT_7_RESERVED_0	
0x373b	CONNECTED_PRODUCT_7_RESERVED_1	
0x373c	CONNECTED_PRODUCT_7_RESERVED_2	
0x373d	CONNECTED_PRODUCT_7_RESERVED_3	
0x373e	CONNECTED_PRODUCT_7_RESERVED_4	
0x373f	CONNECTED_PRODUCT_7_RESERVED_5	
0x3740	CONNECTED_PRODUCT_7_DATA_FIRST	
0x377f	CONNECTED_PRODUCT_7_DATA_LAST	
0x3780	CONNECTED_PRODUCT_8_TYPE	
0x3781	CONNECTED_PRODUCT_8_SERIAL_0	
0x3782	CONNECTED_PRODUCT_8_SERIAL_1	
0x3783	CONNECTED_PRODUCT_8_SERIAL_2	
0x3784	CONNECTED_PRODUCT_8_SERIAL_3	
0x3785	CONNECTED_PRODUCT_8_BUS_AND_ADDR	
0x3786	CONNECTED_PRODUCT_8_STATUS	
0x3787	CONNECTED_PRODUCT_8_HW_VERSION	
0x3788	CONNECTED_PRODUCT_8_SW_VERSION	
0x3789	CONNECTED_PRODUCT_8_SW_PATCHLEVEL	
0x378a	CONNECTED_PRODUCT_8_RESERVED_0	
0x378b	CONNECTED_PRODUCT_8_RESERVED_1	
0x378c	CONNECTED_PRODUCT_8_RESERVED_2	

0x378d	CONNECTED_PRODUCT_8_RESERVED_3	
0x378e	CONNECTED_PRODUCT_8_RESERVED_4	
0x378f	CONNECTED_PRODUCT_8_RESERVED_5	
0x3790	CONNECTED_PRODUCT_8_DATA_FIRST	
0x37cf	CONNECTED_PRODUCT_8_DATA_LAST	
0x37d0	CONNECTED_PRODUCT_9_TYPE	
0x37d1	CONNECTED_PRODUCT_9_SERIAL_0	
0x37d2	CONNECTED_PRODUCT_9_SERIAL_1	
0x37d3	CONNECTED_PRODUCT_9_SERIAL_2	
0x37d4	CONNECTED_PRODUCT_9_SERIAL_3	
0x37d5	CONNECTED_PRODUCT_9_BUS_AND_ADDR	
0x37d6	CONNECTED_PRODUCT_9_STATUS	
0x37d7	CONNECTED_PRODUCT_9_HW_VERSION	
0x37d8	CONNECTED_PRODUCT_9_SW_VERSION	
0x37d9	CONNECTED_PRODUCT_9_SW_PATCHLEVEL	
0x37da	CONNECTED_PRODUCT_9_RESERVED_0	
0x37db	CONNECTED_PRODUCT_9_RESERVED_1	
0x37dc	CONNECTED_PRODUCT_9_RESERVED_2	
0x37dd	CONNECTED_PRODUCT_9_RESERVED_3	
0x37de	CONNECTED_PRODUCT_9_RESERVED_4	
0x37df	CONNECTED_PRODUCT_9_RESERVED_5	
0x37e0	CONNECTED_PRODUCT_9_DATA_FIRST	
0x381f	CONNECTED_PRODUCT_9_DATA_LAST	
0x3820	CONNECTED_PRODUCT_10_TYPE	
0x3821	CONNECTED_PRODUCT_10_SERIAL_0	
0x3822	CONNECTED_PRODUCT_10_SERIAL_1	
0x3823	CONNECTED_PRODUCT_10_SERIAL_2	
0x3824	CONNECTED_PRODUCT_10_SERIAL_3	
0x3825	CONNECTED_PRODUCT_10_BUS_AND_ADDR	
0x3826	CONNECTED_PRODUCT_10_STATUS	
0x3827	CONNECTED_PRODUCT_10_HW_VERSION	
0x3828	CONNECTED_PRODUCT_10_SW_VERSION	

0x3829	CONNECTED_PRODUCT_10_SW_PATCHLEVEL	
0x382a	CONNECTED_PRODUCT_10_RESERVED_0	
0x382b	CONNECTED_PRODUCT_10_RESERVED_1	
0x382c	CONNECTED_PRODUCT_10_RESERVED_2	
0x382d	CONNECTED_PRODUCT_10_RESERVED_3	
0x382e	CONNECTED_PRODUCT_10_RESERVED_4	
0x382f	CONNECTED_PRODUCT_10_RESERVED_5	
0x3830	CONNECTED_PRODUCT_10_DATA_FIRST	
0x386f	CONNECTED_PRODUCT_10_DATA_LAST	
0x3870	CONNECTED_PRODUCT_11_TYPE	
0x3871	CONNECTED_PRODUCT_11_SERIAL_0	
0x3872	CONNECTED_PRODUCT_11_SERIAL_1	
0x3873	CONNECTED_PRODUCT_11_SERIAL_2	
0x3874	CONNECTED_PRODUCT_11_SERIAL_3	
0x3875	CONNECTED_PRODUCT_11_BUS_AND_ADDR	
0x3876	CONNECTED_PRODUCT_11_STATUS	
0x3877	CONNECTED_PRODUCT_11_HW_VERSION	
0x3878	CONNECTED_PRODUCT_11_SW_VERSION	
0x3879	CONNECTED_PRODUCT_11_SW_PATCHLEVEL	
0x387a	CONNECTED_PRODUCT_11_RESERVED_0	
0x387b	CONNECTED_PRODUCT_11_RESERVED_1	
0x387c	CONNECTED_PRODUCT_11_RESERVED_2	
0x387d	CONNECTED_PRODUCT_11_RESERVED_3	
0x387e	CONNECTED_PRODUCT_11_RESERVED_4	
0x387f	CONNECTED_PRODUCT_11_RESERVED_5	
0x3880	CONNECTED_PRODUCT_11_DATA_FIRST	
0x38bf	CONNECTED_PRODUCT_11_DATA_LAST	
0x38c0	CONNECTED_PRODUCT_12_TYPE	
0x38c1	CONNECTED_PRODUCT_12_SERIAL_0	
0x38c2	CONNECTED_PRODUCT_12_SERIAL_1	
0x38c3	CONNECTED_PRODUCT_12_SERIAL_2	
0x38c4	CONNECTED_PRODUCT_12_SERIAL_3	

0x38c5	CONNECTED_PRODUCT_12_BUS_AND_ADDR	
0x38c6	CONNECTED_PRODUCT_12_STATUS	
0x38c7	CONNECTED_PRODUCT_12_HW_VERSION	
0x38c8	CONNECTED_PRODUCT_12_SW_VERSION	
0x38c9	CONNECTED_PRODUCT_12_SW_PATCHLEVEL	
0x38ca	CONNECTED_PRODUCT_12_RESERVED_0	
0x38cb	CONNECTED_PRODUCT_12_RESERVED_1	
0x38cc	CONNECTED_PRODUCT_12_RESERVED_2	
0x38cd	CONNECTED_PRODUCT_12_RESERVED_3	
0x38ce	CONNECTED_PRODUCT_12_RESERVED_4	
0x38cf	CONNECTED_PRODUCT_12_RESERVED_5	
0x38d0	CONNECTED_PRODUCT_12_DATA_FIRST	
0x390f	CONNECTED_PRODUCT_12_DATA_LAST	
0x3910	CONNECTED_PRODUCT_13_TYPE	
0x3911	CONNECTED_PRODUCT_13_SERIAL_0	
0x3912	CONNECTED_PRODUCT_13_SERIAL_1	
0x3913	CONNECTED_PRODUCT_13_SERIAL_2	
0x3914	CONNECTED_PRODUCT_13_SERIAL_3	
0x3915	CONNECTED_PRODUCT_13_BUS_AND_ADDR	
0x3916	CONNECTED_PRODUCT_13_STATUS	
0x3917	CONNECTED_PRODUCT_13_HW_VERSION	
0x3918	CONNECTED_PRODUCT_13_SW_VERSION	
0x3919	CONNECTED_PRODUCT_13_SW_PATCHLEVEL	
0x391a	CONNECTED_PRODUCT_13_RESERVED_0	
0x391b	CONNECTED_PRODUCT_13_RESERVED_1	
0x391c	CONNECTED_PRODUCT_13_RESERVED_2	
0x391d	CONNECTED_PRODUCT_13_RESERVED_3	
0x391e	CONNECTED_PRODUCT_13_RESERVED_4	
0x391f	CONNECTED_PRODUCT_13_RESERVED_5	
0x3920	CONNECTED_PRODUCT_13_DATA_FIRST	
0x395f	CONNECTED_PRODUCT_13_DATA_LAST	
0x3960	CONNECTED_PRODUCT_14_TYPE	

0x3961	CONNECTED_PRODUCT_14_SERIAL_0	
0x3962	CONNECTED_PRODUCT_14_SERIAL_1	
0x3963	CONNECTED_PRODUCT_14_SERIAL_2	
0x3964	CONNECTED_PRODUCT_14_SERIAL_3	
0x3965	CONNECTED_PRODUCT_14_BUS_AND_ADDR	
0x3966	CONNECTED_PRODUCT_14_STATUS	
0x3967	CONNECTED_PRODUCT_14_HW_VERSION	
0x3968	CONNECTED_PRODUCT_14_SW_VERSION	
0x3969	CONNECTED_PRODUCT_14_SW_PATCHLEVEL	
0x396a	CONNECTED_PRODUCT_14_RESERVED_0	
0x396b	CONNECTED_PRODUCT_14_RESERVED_1	
0x396c	CONNECTED_PRODUCT_14_RESERVED_2	
0x396d	CONNECTED_PRODUCT_14_RESERVED_3	
0x396e	CONNECTED_PRODUCT_14_RESERVED_4	
0x396f	CONNECTED_PRODUCT_14_RESERVED_5	
0x3970	CONNECTED_PRODUCT_14_DATA_FIRST	
0x39af	CONNECTED_PRODUCT_14_DATA_LAST	
0x39b0	CONNECTED_PRODUCT_15_TYPE	
0x39b1	CONNECTED_PRODUCT_15_SERIAL_0	
0x39b2	CONNECTED_PRODUCT_15_SERIAL_1	
0x39b3	CONNECTED_PRODUCT_15_SERIAL_2	
0x39b4	CONNECTED_PRODUCT_15_SERIAL_3	
0x39b5	CONNECTED_PRODUCT_15_BUS_AND_ADDR	
0x39b6	CONNECTED_PRODUCT_15_STATUS	
0x39b7	CONNECTED_PRODUCT_15_HW_VERSION	
0x39b8	CONNECTED_PRODUCT_15_SW_VERSION	
0x39b9	CONNECTED_PRODUCT_15_SW_PATCHLEVEL	
0x39ba	CONNECTED_PRODUCT_15_RESERVED_0	
0x39bb	CONNECTED_PRODUCT_15_RESERVED_1	
0x39bc	CONNECTED_PRODUCT_15_RESERVED_2	
0x39bd	CONNECTED_PRODUCT_15_RESERVED_3	
0x39be	CONNECTED_PRODUCT_15_RESERVED_4	

0x39bf	CONNECTED_PRODUCT_15_RESERVED_5	
0x39c0	CONNECTED_PRODUCT_15_DATA_FIRST	
0x39ff	CONNECTED_PRODUCT_15_DATA_LAST	

SNMPv3 User Management API

Addr	Name	Description
0x5000	SnmpV3DeleteUserResult	Result of the last SNMPv3 user deletion API usage. It contains 2 octets: The first is a counter describing how many times the API has been used, and the second is the result of the last API usage. See @ref ESnmpUserDeletionErr to understand the second octet (0=success)
0x5001	SnmpV3DeleteUserName_0	Write this array of registers to the SNMPv3 username you want to delete. The username must be null-terminated.
0x5002	SnmpV3DeleteUserName_1	
0x5003	SnmpV3DeleteUserName_2	
0x5004	SnmpV3DeleteUserName_3	
0x5005	SnmpV3DeleteUserName_4	
0x5006	SnmpV3DeleteUserName_5	
0x5007	SnmpV3DeleteUserName_6	
0x5008	SnmpV3DeleteUserName_7	
0x5009	SnmpV3DeleteUserName_8	
0x500a	SnmpV3DeleteUserName_9	
0x500b	SnmpV3DeleteUserName_10	
0x500c	SnmpV3DeleteUserName_11	
0x500d	SnmpV3DeleteUserName_12	
0x500e	SnmpV3DeleteUserName_13	
0x500f	SnmpV3DeleteUserName_14	
0x5010	SnmpV3DeleteUserName_15	
0x5011	SnmpV3NewUserResult	Result of the last SNMPv3 user creation API usage. It contains 2 octets: The first is a counter describing how many times the API has been used, and the second is the result of the last API usage. See @ref ESnmpUserCreationErr to understand the second octet (0=success)
0x5012	SnmpV3NewUserName_0	Write this array of registers to the SNMPv3 username you want to create or modify.
0x5013	SnmpV3NewUserName_1	

0x5014	SnmpV3NewUserName_2	
0x5015	SnmpV3NewUserName_3	
0x5016	SnmpV3NewUserName_4	
0x5017	SnmpV3NewUserName_5	
0x5018	SnmpV3NewUserName_6	
0x5019	SnmpV3NewUserName_7	
0x501a	SnmpV3NewUserName_8	
0x501b	SnmpV3NewUserName_9	
0x501c	SnmpV3NewUserName_10	
0x501d	SnmpV3NewUserName_11	
0x501e	SnmpV3NewUserName_12	
0x501f	SnmpV3NewUserName_13	
0x5020	SnmpV3NewUserName_14	
0x5021	SnmpV3NewUserName_15	
0x5022	SnmpV3NewUserAuthAlgo	Write this register to specify the SNMPv3 authentication protocol for the user you're creating or modifying See @ref snmpv3_auth_algo_t
0x5023	SnmpV3NewUserAuthPwd_0	Write this array of registers to specify the SNMPv3 authentication password for the user you're creating or modifying. The password must be null-terminated. It will be hashed according to the authentication algorithm and reset after the creation process is complete
0x5024	SnmpV3NewUserAuthPwd_1	
0x5025	SnmpV3NewUserAuthPwd_2	
0x5026	SnmpV3NewUserAuthPwd_3	
0x5027	SnmpV3NewUserAuthPwd_4	
0x5028	SnmpV3NewUserAuthPwd_5	
0x5029	SnmpV3NewUserAuthPwd_6	
0x502a	SnmpV3NewUserAuthPwd_7	
0x502b	SnmpV3NewUserAuthPwd_8	
0x502c	SnmpV3NewUserAuthPwd_9	
0x502d	SnmpV3NewUserAuthPwd_10	
0x502e	SnmpV3NewUserAuthPwd_11	
0x502f	SnmpV3NewUserAuthPwd_12	

0x5030	SnmpV3NewUserAuthPwd_13	
0x5031	SnmpV3NewUserAuthPwd_14	
0x5032	SnmpV3NewUserAuthPwd_15	
0x5033	SnmpV3NewUserAuthPwd_16	
0x5034	SnmpV3NewUserAuthPwd_17	
0x5035	SnmpV3NewUserAuthPwd_18	
0x5036	SnmpV3NewUserAuthPwd_19	
0x5037	SnmpV3NewUserAuthPwd_20	
0x5038	SnmpV3NewUserAuthPwd_21	
0x5039	SnmpV3NewUserAuthPwd_22	
0x503a	SnmpV3NewUserAuthPwd_23	
0x503b	SnmpV3NewUserAuthPwd_24	
0x503c	SnmpV3NewUserAuthPwd_25	
0x503d	SnmpV3NewUserAuthPwd_26	
0x503e	SnmpV3NewUserAuthPwd_27	
0x503f	SnmpV3NewUserAuthPwd_28	
0x5040	SnmpV3NewUserAuthPwd_29	
0x5041	SnmpV3NewUserAuthPwd_30	
0x5042	SnmpV3NewUserAuthPwd_31	
0x5043	SnmpV3NewUserAuthPwd_32	
0x5044	SnmpV3NewUserPrivAlgo	Write this register to specify the SNMPv3 privacy protocol for the user you're creating or modifying. See @ref snmpv3_priv_algo_t
0x5045	SnmpV3NewUserPrivPwd_0	Write this array of registers to specify the SNMPv3 privacy password for the user you're creating or modifying. The password must be null-terminated. It will be hashed according to the authentication algorithm and reset after the creation process is complete
0x5046	SnmpV3NewUserPrivPwd_1	
0x5047	SnmpV3NewUserPrivPwd_2	
0x5048	SnmpV3NewUserPrivPwd_3	
0x5049	SnmpV3NewUserPrivPwd_4	
0x504a	SnmpV3NewUserPrivPwd_5	
0x504b	SnmpV3NewUserPrivPwd_6	

0x504c	SnmpV3NewUserPrivPwd_7	
0x504d	SnmpV3NewUserPrivPwd_8	
0x504e	SnmpV3NewUserPrivPwd_9	
0x504f	SnmpV3NewUserPrivPwd_10	
0x5050	SnmpV3NewUserPrivPwd_11	
0x5051	SnmpV3NewUserPrivPwd_12	
0x5052	SnmpV3NewUserPrivPwd_13	
0x5053	SnmpV3NewUserPrivPwd_14	
0x5054	SnmpV3NewUserPrivPwd_15	
0x5055	SnmpV3NewUserPrivPwd_16	
0x5056	SnmpV3NewUserPrivPwd_17	
0x5057	SnmpV3NewUserPrivPwd_18	
0x5058	SnmpV3NewUserPrivPwd_19	
0x5059	SnmpV3NewUserPrivPwd_20	
0x505a	SnmpV3NewUserPrivPwd_21	
0x505b	SnmpV3NewUserPrivPwd_22	
0x505c	SnmpV3NewUserPrivPwd_23	
0x505d	SnmpV3NewUserPrivPwd_24	
0x505e	SnmpV3NewUserPrivPwd_25	
0x505f	SnmpV3NewUserPrivPwd_26	
0x5060	SnmpV3NewUserPrivPwd_27	
0x5061	SnmpV3NewUserPrivPwd_28	
0x5062	SnmpV3NewUserPrivPwd_29	
0x5063	SnmpV3NewUserPrivPwd_30	
0x5064	SnmpV3NewUserPrivPwd_31	
0x5065	SnmpV3NewUserPrivPwd_32	
0x5066	SnmpV3NewEngineId_0	Write this array of registers to new SNMPv3 Engine ID you'd like to set After setting this array and SnmpV3NewEngineIdLen, write true to MBCOIL_SNMPV3_ENGINE_ID_CHANGE to apply the new Engine ID See @ref MBVAR_SnmpV3_NewEngineIdLen
0x5067	SnmpV3NewEngineId_1	
0x5068	SnmpV3NewEngineId_2	
0x5069	SnmpV3NewEngineId_3	

0x506a	SnmpV3NewEngineId_4	
0x506b	SnmpV3NewEngineId_5	
0x506c	SnmpV3NewEngineId_6	
0x506d	SnmpV3NewEngineId_7	
0x506e	SnmpV3NewEngineId_8	
0x506f	SnmpV3NewEngineId_9	
0x5070	SnmpV3NewEngineId_10	
0x5071	SnmpV3NewEngineId_11	
0x5072	SnmpV3NewEngineId_12	
0x5073	SnmpV3NewEngineId_13	
0x5074	SnmpV3NewEngineId_14	
0x5075	SnmpV3NewEngineId_15	
0x5076	SnmpV3NewEngineIdLen	Number of bytes in the user-configured SNMPv3 EngineID. The Engine ID must be between 5 and 32 bytes long. If this value is not set within that range, it will be ignored and the default Engine ID (based on the device's MAC address) will be used. The Engine ID must be unique to the device for its administrative domain. It must not be all 0x00 or 0xFF; if it is, the default Engine ID will be used instead. The MBCOIL_SNMPV3_ENGINE_ID_CHANGE coil must be set for the new Engine ID to take effect.

Modbus Coils

Addr	Name	Description
0x0014	CLEAR_COUNTERS_RESETTABLE	Resets all resettable counters; true==do action
0x0015	CLEAR_COUNTERS_TOTAL	Reset all total counters; true==do action
0x0016	CLEAR_VBMINMAX	Clear Vbatt min and max saved values; true==do action
0x0017	CLEAR_FAULTS	Clear faults; true==do action
0x0018	CLEAR_ALARMS	Clear alarms; true==do action
0x0020	EE_UPDATE	Forces eeprom update of logged variables (hourmeter/vbmin/vbmax/etc); true== do action
0x00ff	RESET	Resets the controller without power cycling; true==do action
0x2005	SNMPV3_USER_CREATION	Read this coil to check if the SNMPv3 user creation API is being used (some of the modbusRAM registers have been set, but the data has not been processed yet). Write 0 to discard the input data, write 1 to process the data provided via the modbusRAM API and create/modify the user
0x2006	SNMPV3_USER_DELETION	Read this coil to check if the SNMPv3 user deletion API is being

		used (the username registers are being modified, but the data has not been processed yet). Write 0 to discard the input data, write 1 to process the data provided via the modbusRAM API and delete the user
0x2007	SNMPV3_ENGINEID_CHANGE	Read this coil to check if the SNMPv3 Engine ID change APi is being used (the engine ID registers are being modified, but the data has not been processed yet). Write 0 to discard the input data, write 1 to process the data provided via the modbusRAM API