R-EVC Charger Modbus documentation

The charger uses MDNS service to announce its IP address.		

Info	Format	Example
Charger address:	{serial_number}.local	revcs01c00000110.local

#	Address	Decimals	Min.	Max.	Name	Function	Description
	0001	0	0	65535	ChargedEnergyH	Float	Total charged energy in kWh during current charging session.
	0002	0	0	65535	ChargedEnergyL	Float	Total charged energy in kWh during current charging session.
	0003	0	0	65535	ChargingCostH	Float	Total charging cost in selected currency during current charging session.
	0004	0	0	65535	ChargingCostL	Float	Total charging cost in selected currency during current charging session.
	0005	0	0	65535	ChargingTimeH		Duration of the current charging session in seconds.
	0006	0	0	65535	ChargingTimeL		Duration of the current charging session in seconds.
	0007	0	0	65535	RemainingBoostTimeH		Remaining boost time in seconds. Resets when the car is disc
	0008	0	0	65535	RemainingBoostTimeL		Remaining boost time in seconds. Resets when the car is disc
	0009	0	0	65535	ActualPowerH	Float	Measured charging power in kW.
	0010	0	0	65535	ActualPowerL	Float	Measured charging power in kW.
	0011	1	0	65535	CurrentL1	Float	Measured current for phase L1 in amps (A).
	0012	1	0	65535	CurrentL2	Float	Measured current for phase L2 in amps (A).
	0013	1	0	65535	CurrentL3	Float	Measured current for phase L3 in amps (A).
	0014	1	0	65535	VoltageL1	Float	Voltage for phase L1 in volts (V).
	0015	1	0	65535	VoltageL2	Float	Voltage for phase L2 in volts (V).
	0016	1	0	65535	VoltageL3	Float	Voltage for phase L3 in volts (V).
	0017	0	0	1	IsCharging	Boolean	Indicates if the charger is currently charging.
	0018	0	0	1	IsBoostModeAvailable	Boolean	Indicates if boost mode is available.
	0019	0	0	1	IsBoostModeActive	Boolean	Indicates if boost mode is currently active.
	0020	0	0	1	IsThreePhaseModeAvailable	Boolean	Indicates if three-phase mode is available.
	0021	0	0	1	IsThreePhaseModeActive	Boolean	Indicates if three-phase mode is currently active.
	0022	0	0	1	IsVehicleConnected	Boolean	Indicates if a vehicle is connected to the charger.
	0023	0	0	1	IsChargingScheduleActive	Boolean	Indicates if the charging schedule is currently active. You can't control charger manually when the schedule is active.
	0024	0	0	255	TemperatureCurrentLimit		0 - no current limit, otherwise the number represents the limited target current
	0025	0	0	255	AdapterMaxCurrent		Maximum current allowed by the adapter in amps (A).
	0026	1	0	65535	AdapterL1Temperature		Adapter temperature on phase L1
	0027	1	0	65535	AdapterL2Temperature		Adapter temperature on phase L2
	0028	1	0	65535	AdapterL3Temperature		Adapter temperature on phase L3
	0029	1	0	65535	Relay1Temperature		Relay 1 temperature
	0030	1	0	65535	Relay2Temperature		Relay 2 temperature
	0031	1	0	65535	InternalTemperature		Internal charger temperature
	0032	0	0	65535	RESERVED	RESERVED	
	0033	0	0	65535	RESERVED	RESERVED	
	0034	0	0	65535	RESERVED	RESERVED	
	0035	0	0	65535	RESERVED	RESERVED	
	0036	0	0	65535	RESERVED	RESERVED	
	0037	0	0	65535	RESERVED	RESERVED	
	0038	0	0	65535	RESERVED	RESERVED	
	0039	0	0	65535	RESERVED	RESERVED	
	0040	0	0	65535	ErrorTimestampHH	[0] - Most significant	Time of the current error event in UNIT 64bit timestamp format
	0041	0	0	65535	ErrorTimestampHL	[1]	Time of the current error event in UNIT 64bit timestamp format
	0042	0	0	65535	ErrorTimestampLH	[2]	Time of the current error event in UNIT 64bit timestamp format
	0043	0	0	65535	ErrorTimestampLL	[3]	Time of the current error event in UNIT 64bit timestamp format
	0044	0	0	65535	InfoCodeH		Additional error info
	0045	0	0	65535	InfoCodeL		Additional error info
	0046	0	0	17	ErrorCode	0 - NONE, 1 - GROUND, 2 - NETWORK_TYPE_RECOGNITION, 3 - N_WIRE_TEST, 4 - RCD_TEST, 5 - DIODE_ERROR, 6 - CONTROL_PILOT_TEST, 7 - CURRENT_LEAKAGE, 8 - RELAY_CONTACT. 9 - HIGH_TEMPERATURE, 10 - OVERVOLTAGE, 11 - UNDERVOLTAGE, 12 - MAINS_PLUG_OVERHEATING, 13 - ADAPTER_DETECTION, 14 - VENTILATION_REQUIRED, 15 - HARDWARE_ERROR, 16 - CAR_ERROR, 17 - OVERCURRENT	
	0047	0	0	2	ErrorType	0 - WARNING, 1 - RESETABLE, 2 - ERROR	
	0048	0	0	1	IsConfirmed	Boolean	Resetable errors can be confirmed through mobile app
	0049	0	0	1	IsShow	Boolean	1 if error was already shown to the user
	0050	1	0	65535	ChargingPower		Measured charging power in kW.
	0051	0	0	1	ChargingType	0 - 16A, 1 - 32A	
	0052	0	0	65535	RESERVED	RESERVED	
	0053	0	0	65535	RESERVED	RESERVED	
	0054	0	0	65535	RESERVED	RESERVED	
	0055	0	0	65535	RESERVED	RESERVED	
	0056	0	0	65535	RESERVED	RESERVED	
	0057	0	0	65535	RESERVED	RESERVED	

#	Address	Decimals	Min.	Max.	Name	Function	Description
	0058	0	0	65535	RESERVED	RESERVED	
	0059	0	0	65535	RESERVED	RESERVED	
	0060	2	0	65535	TotalChargedEnergyH		Total charged energy in kWh across all sessions.
	0061	0	0	65535	TotalChargedEnergyL		Conversion: (TotalChargedEnergyH << 16 | TotalChargedEnergyL) / 100.f
	0062	0	0	65535	TotalChargingCountH		Total charged energy in kWh across all sessions.
	0063	0	0	65535	TotalChargingCountL		Total charged energy in kWh across all sessions.
	0064	0	0	65535	TotalChargingTimeH		Total charging time in seconds across all sessions.
	0065	1	0	65535	TotalChargingTimeL		Total charging time in seconds across all sessions.
	0066	1	0	65535	MaxAdapterTempL1		Maximum recorded adapter temperature in °C.
	0067	1	0	65535	MaxAdapterTempL2		Maximum recorded adapter temperature in °C.
	0068	1	0	65535	MaxAdapterTempL3		Maximum recorded adapter temperature in °C.
	0069	1	0	65535	MaxRelay1Temp		Maximum recorded relay temperature in °C.
	0070	1	0	65535	MaxRelay2Temp		Maximum recorded relay temperature in °C.
	0071	1	0	65535	MaxInternalTemp		Maximum recorded internal temperature in °C.
	0072	1	0	65535	MinAdapterTempL1		Minimum recorded adapter temperature in °C.
	0073	1	0	65535	MinAdapterTempL2		Minimum recorded adapter temperature in °C.
	0074	1	0	65535	MinAdapterTempL3		Minimum recorded adapter temperature in °C.
	0075	1	0	65535	MinRelay1Temp		Minimum recorded relay temperature in °C.
	0076	1	0	65535	MinRelay2Temp		Minimum recorded relay temperature in °C.
	0077	0	0	65535	MinInternalTemp		Minimum recorded internal temperature in °C.
	0078	0	0	65535			
	0079	0	0	65535			

#	Address	Decimals	Min.	Max.	Name	Function	Description
	0001	2	0	65535	KwhPrice	0.01 Eur	Cost per kWh in set currency (e.g. 1.5€ per kWh).
	0002	0	0	65535	TargetCurrent		Target charging current (A).
	0003	0	0	65535	BoostCurrent		Boost charging current (A). Boost current is used when the boost charging is enabled. Boost will automatically turn off after set time.
	0004	0	0	65535	MaxCurrent		Maximum charging current (A). Maximum current is used mostly when the user has breaker with lower current rating, or other apliences on the same circuit. Charger will never set target current above maximum.
	0005	0	0	2	Currency	Enum - EUR, CZK, USD	Currency used for charging cost calculation.
	0006	0	0	1	IsChargingEnable	Boolean	Enable or disable charging.
	0007	0	0	1	IsThreePhaseModeEnable	Boolean	Enable or disable three-phase mode.
	0008	0	0	1	IsBoostModeEnable	Boolean	Enable or disable boost mode.
	0009	0	0	1	IsLocalPanelEnabled	Boolean	Enable or disable local panel control.