Back office (OCPP) configuration key list for Alfen chargers

GetConfiguration & ChangeConfiguration
Related to firmware version 4.14.0

Categories	Configuration key	Discription	Value	Access	Origin
General	FeatureObjectId	The product unique ID used to purchase a new LicenseKey. Make sure to share this ID on your purchase order.	Default: Determined per order	Read only	Alfen
General	Identity	The identity code that is used to identify the charging station (CS) in the back office.	String[20]	Read / Write	Alfen
General	DeviceIdentity	Fixed identifier that is unique per charging station	String[24]	Read only	Alfen
General	FeatureLicenseKey	Current installed LicenseKey. A new LicenseKey that unlocks features can be purchased from Alfen via a purchase order (webshop or cporders@alfen.com).	Default: Determined per order	Read / Write	Alfen
General	UnlockedFeatures Previously known as 'FeatureEnabled'	A by comma separated overview of all unlocked features, each feature. Possibilities: - None - SCN (Smart Charging Network) - Standard-SC (Static Load balancing) - Active-SC (Active Load balancing) - 32A-output - RFID-reader - Pers.display - 4G	Determined per order For instance: 'SCN, 32A-output, RFID-reader, Pers.display'	Read only	Alfen
General	SupportedFeatureProfiles	Comma separated list of supported featurs. Options: - Core - FirmwareManagement - LocalAuthListManagement - Reservation - SmartCharging - RemoteTrigger		Read only	OCPP
General	SupportedFeatureProfilesMaxLength	Maximum number of items in the "SupportedFeatureProfiles" configuration key.	0 - 255 Default: 6	Read only	OCPP
General	TimeZoneMinutes	The time zone offset to UTC in minutes for calculating the local time displayed on the display.	-720 - 720 Default: 60	Read / Write	Alfen
General	Latitude	Latitude of the CS location, needed to calculate dusk and dawn for automatically adjusting the LEDs/display intensity after interaction. In sleep mode the display will allways adjust to its lowest intensity.	Float Default: 52.402271	Read / Write	Alfen
General	Longitude	Longitude of the CS location, needed to calculate dusk and dawn for automatically adjusting the LEDs/display intensity after interaction. In sleep mode the display will allways adjust to its lowest intensity.	Float Default: 5.243745	Read / Write	Alfen
Power settings	NFC-Version1	Information about the hardware and firmware versions of the NFC reader HW:<HWVersion>,SW:<SWVersion>	n.a.	Read only	Alfen
Power settings	NFC-Version2	Informs backoffice about the hardware and firmware versions of the NFC reader HW:<HWVersion>,SW:<SWVersion>	n.a.	Read only	Alfen
Power settings	Station-MaxCurrent	The maximum current (A) that the entire CS is allowed to provide. The Station-MaxCurrent is also used for load balancing at double socket models.	Float	Read / Write	Alfen
Power settings	Connector1-MaxCurrent	Maximum current (A) that an EV is allowed to draw from left connector.	Float For instance: 32.0	Read / Write	Alfen

Power settings	Connector1.2-MaxCurrent	Maximum current (A) allowed to be drawn from the left E-socket. Options: - between 0.0 and 16.0A	Default: 16.0	Read / Write	Alfen
Power settings	Connector1-Type	Type of charging socket or cable on connector #1. Options: - Fixed cable - Type 2 socket - Schuko socket - Type-1 fixed cable - Type-2 fixed cable	Default: Determined per order	Read / Write	Alfen
Power settings	Connector2-MaxCurrent	Maximum current (A) that an EV is allowed to draw from right connector.	Float For instance: 32.0	Read / Write	Alfen
Power settings	Connector2.2-MaxCurrent	Maximum current (A) allowed to be drawn from the right E-socket. Options: - between 0.0 and 16.0A	Default: 16.0	Read / Write	Alfen
Power settings	Connector2-Type	Type of charging socket or cable on connector #2. Options: - Fixed cable - Type 2 socket - Schuko socket - Type-1 fixed cable - Type-2 fixed cable	Default: Determined per order	Read only	Alfen
Power settings	ZE-ready	CS behavior is conform the Renault ZE-ready requirements.	True or False Default: False	Read / Write	Alfen
Power settings	Power Outage Recovery Previously known as "ZE-restart"	Wether the CS will resume the last transaction after a power outage or stays idle. When set to "Resume" configure the "Max Allowed Outage Duration (s)" configuration key. Options: - Idle - Resume	Default: Idle	Read / Write	Alfen
Power settings	Max Allowed Outage Duration (s)	When configuration key "Power Outage Recovery" is set to "Resume" the charging station will only resume the transaction if the power outage time (s) is less than the set time (s). When this is set to 0, and the 'Power Outage Recovery' is set to 'resume' the transaction will always be resumed.	0-3600 Default 0 (option disabled)	Read / Write	Alfen
Power settings	Disable105Percent	Enable/Disable the overcurrent check. The CS measures the actual drawn current by the EV. When the maximum allowed current is exceeded by more than 105% the CS will interupt charging.	True or False Default: False	Read / Write	Alfen
Power settings	Chameleon-MinCurrent	Minimum required current (A) for charging a Chameleon charger (e.g. Renault Zoe). Upon detecting a Chameleon charger the set value will be used.	Float Default: 14.0	Read / Write	Alfen
Power settings	ConnectionTimeOut	Maximum time (s) between presenting an authorized NFC card and connecting an EV before the authorization expires.	0 – 32767 Default: 120	Read / Write	OCPP
Power settings	Phase-Connected	The phase(s) that are connected to the CS and in which order in case active loadbalancing is used. Any combination of L1, L2 and L3. For instance 'L1L2L3', 'L3L2L1' or 'L2' is possible.	Default: L1L2L3	Read / Write	Alfen
Load balancing	Static-LoadBalancing	Enable/Disable load balancing between multiple sockets. Options: - On - Off Configuration key up to FW 3.4.3: "LoadBalancing"	Default: Off	Read / Write	Alfen

Load balancing	Active-LoadBalancing	Load balancing in a domestic environment is enabled using a smart meter with P1 port (protocol version DSMR 4.0 and higher) Configuration key up to FW 3.4.3: "P1-Port"	On or Off Default: Off	Read / Write	Alfen
Load balancing	ALB-ProtocolSelection	Select what device will be used as a smartMeter for the active loadbalancing	Values: None (default) Modbus TCP/IP DSMR P1	Read / Write	Alfen
Load balancing	DirectExternalSuspendSignal Previously known as "RJ11-Mode"	Configure for which purpose you want to use the RJ11 port. Options: - DSMR P1 - Suspend when an external circuit is closed - Suspend when an external circuit is opened	Default: DSMR P1	Read / Write	Alfen
Load balancing	MBTCPSmart-IPAddress	IP address of the Modbus TCP/IP meter. Determined and set during installation. Configuration key up to FW 3.4.3: "MBTCP-IPAddress"	Default: 192.168.000.005	Read / Write	Alfen
Load balancing	MBTCPSmart-IsEnabled	Enable/Disable Modbus TCP/IP. Configuration key up to FW 3.4.3: "MBTCP-IsEnabled"	True or False Default: False	Read / Write	Alfen
Load balancing	MBTCPSmart-SlaveUnitID Previously known as 'MBTCPSmart-SlaveAddress'	Slave address of the Smart Modbus TCP/IP meter. Options: - From 0 to 65535	Default: 5	Read / Write	Alfen
Load balancing	MBTCPCentral-SlaveMeterModel Previously known as 'MBTCPSmart-SlaveType'	The band / type of Modbus TCP/IP meter that is used for active loadbalancing. Options: - None - Socomec	Default: Socomec	Read / Write	Alfen
Load balancing	MbsSlaveTCPIP	Enable or disable the modbus slave functionality.	On or Off Default: 'Off'	Read / Write	Alfen
Load balancing	MbsSlaveTCPIPValidityTime	Time in seconds in which the charging station requires an updated maximum current from a Modbus master before falling back to the safe current.	1 – 32767 Default: 60	Read / Write	Alfen
Load balancing	MbsSlaveTCPIPMode	Control each socket or control the charging station as a complete station	"Off", "Socket", or "SCN"	Read / Write	Alfen
Load balancing	Safe-MaxCurrent	The safe current (A) that the CS will use when active loadbalancing loses connection. (For instance: CS loses connection to the smart meter or to the SCN)	Float	Read / Write	Alfen
Load balancing	SCN-AlternatingPeriod	When the sum of all minimum charging currents is higher than the available current for the Smart Charging Network, the Smart Charging Network will alternate the sockets between charging and suspending. During AlternatingPeriod: Charging time per socket = "SCN-AlternatingPeriod" (s) / number of active charging sessions in the Smart Charging Network	900 - 36000 (seconds) Default: 900	Read / Write	Alfen
Load balancing	SCN-IsEnabled	Is Smart Charging Network unlocked.	True or False Default: depends on the order (True when the SCN feature is unlocked)	Read only	Alfen
Load balancing	SCN-NetworkName	Name of the Smart Charging Network. This should be identical for all CSs in one Smart Charging Network.	String[7] Default: SCN1	Read / Write	Alfen

Load balancing	SCN-PhaseMapping-1	Configure based on the order that the phases are connected inside the CS. Phase mapping is used by the Smart Charging Network to adjust available current per socket. For single feeder cable models "SCN-PhaseMapping-1" (left socket) is identical to "SCN-PhaseMapping-2" (right socket). Options: - 0 = None - 1 = L1 - 2 = L2 - 3 = L3 - 4 = L1L2L3 - 5 = L1L3L2 - 6 = L2L1L3 - 7 = L2L3L1 - 8 = L3L1L2 - 9 = L3L2L1 It"s advised to apply phase mapping in the following order: L1 L2 L3 -> L3 L1 L2 -> L2 L3 L1 -> and continue in this order.	Default: 4 Determined during installation	Read / Write	Alfen
Load balancing	SCN-PhaseMapping-2	Configure based on the order that the phases are connected inside the CS. Phase mapping is used by the Smart Charging Network to adjust available current per socket. For single feeder cable models "SCN-PhaseMapping-1" (left socket) is identical to "SCN-PhaseMapping-2" (right socket) Options: - 0 = None - 1 = L1 - 2 = L2 - 3 = L3 - 4 = L1L2L3 - 5 = L1L3L2 - 6 = L2L1L3 - 7 = L2L3L1 - 8 = L3L1L2 - 9 = L3L2L1 It"s advised to apply phase mapping in the following order: L1 L2 L3 -> L3 L1 L2 -> L2 L3 L1 -> and continue in this order.	Default: 4 Determined during installation	Read / Write	Alfen
Load balancing	SCN-SocketSafeCurrent	The maximum current (A) that the socket will use when the Smart Charging Network lost the connection with CS. This value should always be identical for all of the CSs in one Smart Charging Network.	Float Default: 6.0	Read / Write	Alfen
Load balancing	SCN-TotalSafeCurrent	The maximum current (A) that a SCN will use when multiple sockets lost the connection. The number of sockets charging on SCN-SocketSafeCurrent will be limited so the total will not surpass SCN-TotalSafeCurrent.	Float Default: 32.0	Read / Write	Alfen
Load balancing	SCN-SocketCount	Total number of sockets in the Smart Charging Network. Eve single has 1 socket, Eve double has 2 sockets, etc... Determined by initialization during installation.	0 - 255 Default: 1	Read / Write	Alfen
Load balancing	SCN-SocketID	The ID of the left socket that is defined by the Smart Charging Network. This should always be unique and in chronologic order for all sockets in the Smart Charging Network. Determined by initialization during installation.	0 - 255 Default: 0	Read / Write	Alfen
Load balancing	SCN-TotalStaticCurrent	The maximum current (A) that the Smart Charging Network will use. This value should always be identical for all of the CSs in one Smart Charging Network.	Float Default: 200.0	Read / Write	Alfen
Load balancing	ChargeProfileMaxStackLevel	Max StackLevel of a ChargingProfile. The number defined also indicates the max allowed number of installed ChargingProfiles per Charging Profile Purpose.	5	Read only	OCPP

Load balancing	ChargingScheduleAllowedChargingRateUnit	A list of supported quantities for use in a ChargingSchedule.	"Current"		Read only	OCPP
Load balancing	ChargingScheduleMaxPeriods	Maximum number of periods that may be defined per ChargingSchedule.		10	Read only	OCPP
Load balancing	MaxChargingProfilesInstalled	Maximum number of charging profiles installed.		20	Read only	OCPP
Load balancing	NuvveActive	Switch the Nuvve functionality on or off.	True or False Default: False		Write only	Alfen
Load balancing	NuvveInterval	Interval (s) in which the Nuvve message is being send.	0 - 65535 Default: 60		Write only	Alfen
Load balancing	NuvveTolerance	Minimum power change to active the sending of the Nuvve message in W. Check whether this can be deleted (via Wouter/NM)	0 – 65535 Default: 100		Write only	Alfen
Load balancing	ConnectorSwitch3to1PhaseSupported	If true, the CS supports switching from 3 to 1 phase during a charging session.	False		Read only	OCPP
Load balancing	SmartChargingMode	OCPP 1.5+' smart charging mode. This smart charging mode only functions when the OCPP protocol version is set to 1.5. Options: - None - GreenFlux - Enervalis - Cohere - EVNet - OCPP16	Default: None		Read / Write	Alfen
Load balancing	ConnectorPhaseRotation	The phase rotation per connector in respect to the connector's energy meter (or if absent, the grid connection). Options: - NotApplicable (for Single phase or DC CSs) - Unknown (not (yet) known) - RST (Standard Reference Phasing) - RTS (Reversed Reference Phasing) - SRT (Reversed 240 degree rotation) - STR (Standard 120 degree rotation) - TRS (Standard 240 degree rotation) - TSR (Reversed 120 degree rotation) R can be identified as phase 1 (L1), S as phase 2 (L2), T as phase 3 (L3). If known, the CS MAY also report the phase rotation between the grid connection and the main energymeter by using index number Zero (0). Values are reported in CSL, formatted: 0.RST, 1.RST, 2.RTS	Default: 0.RST		Read only	OCPP
Load balancing	ConnectorPhaseRotationMaxLength	Maximum number of items in a ConnectorPhaseRotation Configuration Key.	Always returns 0 (Not supported)		Read only	OCPP
Load balancing	SmartMeter-MaxCurrent	The maximum current (A) of the entire electrical installation. This value is required for installations with a smart meter to determine the available power that the EV may consume. Configuration key up to FW 3.4.3: "Installation-MaxCurrent"	Float		Read / Write	Alfen
Load balancing	SmartMeterIncludesCharger	Indicates whether the readings from the external meter include the station's consumption. Options: - True - False	Default: True		Read / Write	Alfen
Load balancing	MBTCPCentral-IPAddress	IP address of the Modbus TCP/IP meter.	Default: 192.168.000.004		Read / Write	Alfen

Load balancing	MBTCPCentral-IsEnabled	Enable/Disable Modbus TCP/IP. Options: - True - False	Default: False	Read / Write	Alfen
Load balancing	MBTCPCentral-SlaveUnitID Previously known as 'MBTCPCentral-SlaveAddress2'	Slave address of the Central Modbus TCP/IP meter. Options: - From 0 to 65535	Default: 5	Read / Write	Alfen
Load balancing	MBTCPSmart-SlaveMeterModel Previously known as 'MBTCPCentral-SlaveType'	The band / type of Modbus TCP/IP meter that is used for active loadbalancing. Options: - None - Socomec	Default: Socomec	Read / Write	Alfen
Load balancing	EnablePhaseSwitching	Enable switching between 1 and 3 phase charging.	True or False Default: False	Read / Write	Alfen
Load balancing	MaxImbalanceCurrent	The maximum allowed imbalance between phases.	Float, 0 means disabled. default: 0	Read / Write	Alfen
Load balancing	MaxAllowedPhases	Maximum number of phases that the CP is allowed to charge on.	1 or 3. default: 3	Read / Write	Alfen
Authorization	DisconnectAction	The behavior of the CS when an EV is disconnected during a transaction or when the CS loses its connection to the back office. Options: - Continue: When the cable is removed on the EV side, the plug will stay locked on the CS side and the transaction will not be stopped by the CS. As soon as you plug the cable back into the EV, the charging continues and all transaction data will be registered to the transaction that is still running. - Abort: When the cable is removed on the EV side, the plug will stay locked on CS side and the transaction will be stopped by the CS after the programmed time for configuration key "DisconnectTimeout" (s). If you want to remove the cable from the CS side, or if you want to start a transaction again, you have to first remove the plug from the CS side by presenting the identification which was used to start the transaction. - Unlock: When the cable is removed on the EV side, the plug will unlock on CS side and the transaction will be stopped by the CS after the programmed time for configuration key "DisconnectTimeout" (s). - UnlockWhenOffline: When the CS is offline and the cable is removed on the EV side, the plug will unlock on CS side and the transaction will be stopped by the CS after the programmed time for configuration key "DisconnectTimeout" (s).	Default: Continue	Read / Write	Alfen
Authorization	UnlockConnectorOnEVSideDisconnect	When set to true, the CS shall unlock the cable on CS side when the cable is unplugged at the EV. This depends on the value that is set for configuration key "DisconnectAction".	True or False True = Unlock, False = Abort Default: False	Read / Write	OCPP
Authorization	DisconnectTimeout	Time (s) after which configuration key "DisconnectAction" is executed by the CS.	0 – 32767 Default: 10	Read / Write	Alfen
Authorization	AbortConcurrentTx	Abort an ongoing transaction when a back office reports a "ConcurrentTx" status as a reply to the StartTransaction request.	True or False Default: False	Read / Write	Alfen
Authorization	AllowOfflineTxForUnknownId	Allow transactions for unknown identifiers when CS is offline. When the CS is online again the status of the identifier is checked and updated in the whitelist accordingly.	True or False Default: True	Read / Write	OCPP

Authorization	AuthorizationCacheEnabled	Indicates whether the CS has an Authorization Cache or not. Options: True: Authorization Cache present. False: Authorization Cache not present.	True or False Default: True	Read / Write	OCPP
Authorization	AuthorizationMethod	The interaction used by the CS to start a transaction. Options: - RFID: CS always requires an RFID card to start charging. - Plug&Charge: CS will always use the configured configuration key "PlugAndChargeIdentifier" to start a transaction upon detecting an Electric Vehicle (EV).	Default: Determined per order	Read / Write	Alfen
Authorization	AuthorizeRemoteTxRequests	Verify whether the used identifier used in a RemoteStartTransaction request is authorised by the back office before starting the transaction.	True or False Default: False	Read / Write	OCPP
Authorization	LocalAuthListEnabled	Enable/Disable the local authorization list.	True or False Default: True	Read / Write	OCPP
Authorization	LocalAuthListMaxLength	Maximum number of identifications that can be stored in the Local Authorization List.	782	Read only	OCPP
Authorization	LocalAuthorizeOffline	Whether an offline CS will start a transaction for locally authorized identifiers.	True or False Default: True	Read / Write	OCPP
Authorization	LocalPreAuthorize	Whether an online CS will start a transaction for locally authorized identifiers. The identifier will be verified based on the StartTransaction.req by the back office.	True or False Default: False	Read / Write	OCPP
Authorization	PlugAndChargeIdentifier	Identification that a Plug&Charge CS will use to report transactions to the back office.	String[20]	Read / Write	Alfen
Authorization	OfflineAuthorise	Authorize an unknown identification that is presented while the CS is offline. Made write only because this became absolete and is now replaced by OCPP config key "LocalAuthorizeOffline".	Default: True	Write only	Alfen
Authorization	OnlineAuthorise	Always authorize an NFC card at the back office when online, even if the tag is known in the white list or the local list. Made write only because this became absolete and is now replaced by OCPP config key "LocalPreAuthorize".	Default: True	Write only	Alfen
Authorization	WhiteListEnabled	Enable/Disable the Authorization Cache. If this key does not exist the Authorization Cache is disabled.	True or False Default: True	Read / Write	Alfen
Authorization	MaxEnergyOnInvalidId	Maximum energy in Wh delivered when an identifier is invalidated by the back office after the start of a transaction.	0	Read only	OCPP
Authorization	SendLocalListMaxLength	Maximum number of identifications that can be sent in a single SendLocalList.req.	0 - 4294967296 Default: 22	Read only	OCPP
Authorization	StopTransactionOnEVSideDisconnect	When set to true, the CS shall stop the transaction when the cable is unplugged from the EV. This depends on the value that is set for configuration key "DisconnectAction".	True or False (Switch between Continue and Abort) Default: False	Read / Write	OCPP
Authorization	TimeUnlockWhenNotCharging	Time (s) after an EV stops charging until the CS will stop the transaction and unlock the cable.	60 – 32767, or zero to disable unlocking Default: 0 (disabled)	Read / Write	Alfen
Authorization	StopTransactionOnInvalidId	Whether the CS will stop a currently running transaction when it receives a non- Accepted authorization status in a StartTransaction.conf from the back office. True: CS will stop the transaction and keep the plug locked until RFID card is presented. False: CS will stop charging but keep the plug locked until RFID card is presented.	True or False Default: False	Read / Write	OCPP

Authorization	MasterKey-isEnabled Previously known as "MasterTag-isEnabled"	When master key is enabled, the CS can enter the special master key mode when the master key is detected, enabling the user to add and/or remove tags from the internal tag database. Options: -True (default for stand-alone charging stations) - False (default for charging stations connected to a back office)	Default: see description	Read / Write	Alfen
Authorization	MasterKey-Id Previously known as "MasterTag-Id	The ID of the tag that is defined as master key.	string [max 21 characters]	Read / Write	Alfen
Connectivity	TransactionMessageAttempts	Maximum number of times that the CS retries to submit a transaction-related message when the back offfice fails to process it.	1 – 65535 0 = Retry indefinitely Default: 0	Read / Write	OCPP
Connectivity	TransactionMessageRetryInterval	Wait time (s) between resubmitting transaction related messages that the back office failed to process.	0 - 2147483647 in seconds Default: 60	Read / Write	OCPP
Connectivity	WebSocketPingInterval	Interval (s) between pings (only relevant for Websocket connections). Set to '0' to disable client side websocket Ping/Pong. In this case there is either no ping/pong or the server initiates the ping and client (CS) responds with Pong.	0, 30 - 2147483647 in seconds. Default: 120	Read / Write	OCPP
Connectivity	WS timeout	Websocket read timeout (s).	10 – 65535 Default: 10	Write only	Alfen
Connectivity	APN-Name	Access Point Name (APN) that the station connects to when the configuration key "Network" is configured as value "Wireless" or "Auto".	String[32]	Read / Write	Alfen
Connectivity	APN-Password	Password that the station uses to log in to the APN.	String[32]	Read / Write	Alfen
Connectivity	APN-SignalStrength	Strength of the GPRS signal (dBm).	Integer	Read only	Alfen
Connectivity	APN-User	Username that the station uses to log in to the APN.	String[32]	Read / Write	Alfen
Connectivity	AuthorizationKey	Authorization key used by the CS to set up the websocket communication.	Hex ascii encoded string containing the authorization key	Write only	Alfen
Connectivity	BackOffice-Path-APN	Path of the back office server for the GPRS (Wireless) connection (for instance: /chargingstations/OCPPWS16).	String[63]	Read / Write	Alfen
Connectivity	BackOffice-Path-wired	Path of the back office server for the LAN (Wired) connection (for instance: /chargingstations/OCPPWS16).	String[63]	Read / Write	Alfen
Connectivity	BackOffice-URL-APN	URL and port of the back office server for the GPRS (Wireless) connection (for instance: ws://for instanceserver.nl:9090).	String[63]	Read / Write	Alfen
Connectivity	BackOffice-URL-wired	URL and port of the back office server for the LAN (Wired) connection (for instance: ws://for instanceserver.nl:9090).	String[63]	Read / Write	Alfen
Connectivity	DNS-1	Preferred GPRS DNS address.	Any DNS address Default: 8.8.8.8	Read / Write	Alfen
Connectivity	DNS-2	Fallback GPRS DNS address for when the preferred DNS address results in a dead end.	Any DNS address Default: 208.67.222.222	Read / Write	Alfen
Connectivity	CentralMeterValueAlignment	Time alignment for sending the central meter values messages. Options: - clock: Send meter values every x-seconds aligned with clock-hours. - boot: Send meter values every x-seconds aligned with time of booting.	Default: Clock	Read / Write	Alfen
Connectivity	CentralMeterValueSampleInterval	Time (s) between central meter values messages of the central energy meter. Set to "0" to disable sending of the central meter values.	60 – 2147483647 Default: 900	Read / Write	Alfen
Connectivity	CentralMeterValueTransmissionMode	Determine when meter values from the central energy meter should be send to the back office. Interval is based on "CentralMeterValueSampleInterval". Options: - During: Send only during transactions - Always: Always send meter values (based on "CentralMeterValueAlignment") - End: Only send at the end of a transaction	Default: During	Read / Write	Alfen

Connectivity	HeartBeatInterval	Maximum elapsed time (s) from the last successful back office message exchange until a new heartbeat message will be sent. Set to "0" to disable sending of heart beats.	30 – 2147483647 Default: 900	Read / Write	OCPP
Connectivity	HeartBeatSendAllways	Configure the CS to send a HeartBeat even if other messages are send and replied to by the back office.	True or False Default: False	Read / Write	Alfen
Connectivity	MaxTxMeterValueRandomisationTime	To prevent server overload when multiple CSs simultaneously send meter values. Meter value messages will be send at a randomized interval between 0 and the programmed amount of seconds. Set to 0 to switch off the randomization.	0 - 65535 Default: 0	Read / Write	Alfen
Connectivity	ClockAlignedDataInterval	Interval time (s) that the CS sends clock-aligned data. Clock aligned data is send based on clock time. When value = 900 data will be send at 00:15, 00:30, 00:45, 01:00, 01:15, etc.. '0' to disable clock data (default is 0 because per default "MeterValueSampleInterval" is being used).	60 – 2147483647 Default: 0	Read / Write	OCPP
Connectivity	MeterValuesAlignedData	Clock-aligned measurand(s) to be included in every meter value. The interval can be changed by changing the key "ClockAlignedDataInterval". A combination, up to 9, of measurands is supported The measurand(s) that are supported are the same as for configuration key "MeterValuesSampledData".	2 – 2147483647 Default: none	Read / Write	OCPP
Connectivity	MeterValuesAlignedDataMaxLength	Maximum number of items in the configuration key "MeterValuesAlignedData".	Fixed value, returns 9.	Read only	OCPP
Connectivity	MeterValueSampleInterval	Interval time (s) that the CS sends sampled data. Sampled data is send related to the start time of the transaction. For instance, a value of 900 indicates that every 15 minutes data will be send during a transaction. "0" to disable sampled meter values.	2 – 2147483647 Default: 900	Read / Write	OCPP

Connectivity	MeterValuesSampledData	Sampled measurand(s) to be included in every meter value. The interval can be changed by changing the key "MeterValueSampleInterval". A combination, up to 9, of measurands is supported. The measurands can be combined by separating the value by a comma "," Value example: 'Energy.Active.Import.Register,Voltage.L1-N,Current.Import.L1' Supported values: Energy.Active.Import.Register, Power.Active.Import, Current.Import, Voltage, Temperature, Current.Offered, Frequency, Power.Factor Measurand(s) must be combined with the phase (separated by a dot '.') Supported phases: Voltage meter values support phase configuration: L1-N, L2-N, L3-N, L1-L2, L2-L3, L3-L1 Value example: 'Voltage.L1-N' Current, power and power factor meter values support phase configuration: L1, L2, L3 Value example: 'Current.Import.L1' When the 'SmartChargingMode' (OCPP 1.5+) is beeing used, the following measurands are available: Supported values: Current.L1 ; Current.L2 ; Current.L3	Default: Energy.Active.Import.Register	Read / Write	OCPP
Connectivity	MeterValuesSampledDataMaxLength	Maximum number of items in the "MeterValuesSampledData" configuration key.	Fixed value, returns 9.	Read only	OCPP
Connectivity	Network	Network connection type. Options: - None - Wired: using the LAN/UTP interface - Wireless: GPRS connection - Auto: When available the wired connection will be used, when the back office can't be reached using the wired connection the CS will automatically switch to wireless.	Default: Determined per order	Read / Write	Alfen
Connectivity	OCPP-reply timeout	Time (s) after which an OCPP request send by CS is timed out.	Default: 60	Write only	Alfen
Connectivity	OCPP-send timeout	Time (s) after which a CS determines that setting up a webscoket connection via GPRS failed.	Default: 30	Write only	Alfen
Connectivity	ProtocolName	OCPP communication protocol. Options: - ocpp/json - ocpp/soap	Determined by selected back office system	Read only	Alfen
Connectivity	ProtocolVersion	OCPP protocol version number. Options: - OCPP1.5 - OCPP1.6	String[10]	Read / Write	Alfen
Connectivity	StopTxnAlignedData	Wether the CS will include a clock aligned metervalue in the StopTransaction.req.	Empty string, ""	Read only	OCPP
Connectivity	StopTxnAlignedDataMaxLength	Maximum number of items in a StopTxnAlignedData Configuration Key. This is currently not supported and will always return 0	Always returns 0 (Not supported)	Read only	OCPP
Connectivity	StopTxnSampledData	Wether the CS will include a sampled metervalue relative to the start of the transactoin in the StopTransaction.req.	Empty string, ""	Read only	OCPP
Connectivity	StopTxnSampledDataMaxLength	Maximum number of items in a StopTxnSampledData Configuration Key. This is currently not supported and will always return 0.	Always returns 0 (Not supported)	Read only	OCPP

Connectivity	ProxyEnable	Enable proxy service, allowing the charging station to log in to a proxy server within the local network. Options: - True - False	True or False Default: False	Read / Write	Alfen
Connectivity	ProxyAddressAndPort	Local Proxy server IP address and port	String[64] Default: empty	Read / Write	Alfen
Connectivity	ProxyUsername	Username to log in to local Proxy server	String[32] Default: empty	Read / Write	Alfen
Connectivity	ProxyPassword	Password to log in to local Proxy server	String[40] Default: empty	Write only	Alfen
Connectivity	SupportedFileTransferProtocols	The supported transfer protocols that can be used for getDiagnostics or updateFirmware	FTP	Read	OCPP
Connectivity	OCPPStackVersion	Indicate the OCPP stack version. This item is "somewhat" required for the OCPP certification i.e.: we don't need to certify new firmware when the OCPP stack version is not touched. This version number should be updated whenever a change is done to either the OCPP message handling or to any behaviour that influences OCPP messaging. For now, this version number is maintained manually.	4.7.0	Read	OCPP
Connectivity	MobileNetworkPreference	This key sets the preferred Radio Access Technology when the charging station is booted. The actual Radio Access Technology may change depending on modem capabilities and the setting of the "MobileNetworkSelection" key. Writing a new value will be rejected if the installed modem does not support the requested Radio Access Technology.	2G, 3G or 4G	Read / Write	Alfen
Connectivity	MobileNetworkSelection	When set to "manual", the modem is forced to use the Radio Access Technology as specified in key "MobileNetworkPreference". When set to "auto", the Charging Station may decide to use another supported Radio Access Technology to establish communication to the Central System.	auto or manual	Read / Write	Alfen
Connectivity	RegisterMeterValuesIncludePhases	Include individual phase measurands in the metervalue message	True or False Default: False	Read / Write	OCPP
Interface	SendStationStatus	Enable/disable sending a StatusNotification message for the CS (status for connectorId: 0) status.	True or False Default: True	Read / Write	Alfen
Interface	StatusNotificationMode	The transmissioning mode for StatusNotification messages. Options: - Normal, Time of message received on back office side is seen as time of message sent from CS side. When CS is offline it doesn't queue status notifications. - Timestamp, A time stamp is added to the status notification from CS side. When CS is offline it doesn't queue status notifications. - Queued, A time stamp is added to the status notification from CS side. When CS is offline the status notifications are being queued and send when CS is back online.	Default: Normal	Read / Write	Alfen
Interface	AutoDimLights	The intensity of the LEDs/display after interaction is automatically dimmed based on dusk and dawn. After 60 seconds of no interaction with the CS the LEDs/display will dim.	True or False Default: True	Read / Write	Alfen
Interface	LightIntensity	Light intensity (%) of the LEDs/display.	0 – 100 Default: 100	Read / Write	OCPP
Interface	CalibrateTilt	Calibrate and enable the tilt sensor.	Writing any value to this key will calibrate and enable the tilt sensor.	Write only	Alfen

Interface	Language	Display language (ISO 3166:1993 four- letter language code) Options: - English = en_GB - Dutch = nl_NL - German = de_DE - French = fr_FR - Italian = it_IT - Norwegian = nn_NO - Finnish = fi_FI - Portuguese = pt_PT - Spanish = es_ES - Swedish = sv_SV - Polish = pl_PL	Default: Determined per order	Read / Write	Alfen
Interface	LED Heart Beat Intensity	Maximum light intensity (%) of the NFC status notification LED.	0 -100 Default: 100	Read / Write	Alfen
Interface	LED Heart Beat Mode	Enable/Disable the NFC status notification LED.	Glow or Off Default: Off	Read / Write	Alfen
Interface	Cover lock enabled	Enable/Disable the socket cover locking mechanism.	True or False Default: True	Read / Write	Alfen
Alerts	TimeReportWhenNotCharging	Time (s) after an EV stops charging until the CS will report a warning and display orange leds status.	0-65535 Default: 0 (0 = option off)	Read / Write	Alfen
Alerts	TemperatureHigh	The set upper internal temperature limit (°C) on which a CS will send a temperature alert and pauzes charging.	Float Default: 70.0	Read / Write	Alfen
Alerts	TemperatureLow	The set lower internal temperature limit (°C) on which a CS will send a temperature alert and pauzes charging.	Float Default: -25.0	Read / Write	Alfen
Alerts	ContactorProtect	The time (s) during which the CS accepts a maximum of 10 start/stop charging requests from the EV. If more switches are counted in this period, the station will go into error state.	0 – 32767 Default: 60	Read / Write	Alfen
Alerts	6mADetectResponse	How the CS should react when an RCD signal (6mA DC leakage detected) arrives from the RCD unit. Options: - Smart: Stop charging by allowing the EV to stop its charging process itself. When the EV does not respond within 5 seconds, shut off the power. - Immediate: Immediately shut off any charging process when a digital signal from RCD unit arrives.	Smart	Read / Write	Alfen
Monitoring	Connector1-ActualPower	Displays the actual power (kW) that is being consumed at connector #1.	Float	Read only	Alfen
Monitoring	Connector1-InputPhases	Displays the number of mains voltage phases that are measured on the input side of connector #1.	0 - 3	Read only	Alfen
Monitoring	Connector1-OutputPhases	Displays the number of mains voltage phases that are measured on the output side of connector #1.	0 - 3	Read only	Alfen
Monitoring	Connector1-PhasesConnected	The mains power phases that are connected to the input side of connector #1.	Any combination of L1, L2 and L3. For instance 'L1L2L3', 'L3L2L1' or 'L2'	Read only	Alfen
Monitoring	Connector2-ActualPower	Displays the actual power (kW) that is being consumed at connector #2.	Float	Read only	Alfen
Monitoring	Connector2-InputPhases	Displays the number of mains voltage phases that are measured on the input side of connector #2.	0 - 3	Read only	Alfen
Monitoring	Connector2-OutputPhases	Displays the number of mains voltage phases that are measured on the output side of connector #2.	0 - 3	Read only	Alfen

Monitoring	Connector2-PhasesConnected	The mains power phases that are connected to the input side of connector #2.	Any combination of L1, L2 and L3. For instance 'L1L2L3', 'L3L2L1' or 'L2'	Read only	Alfen
Monitoring	Temperature	Measured temperature (°C) inside CS.	Float	Read only	Alfen
Monitoring	StrictPEMeasurementEnabled	protective earth detected enabled	True or False Default: False	Read / Write	Alfen
Eichrecht	SignedDataEnabled	When set to true and an IVU adapter is present, the signed meter values will be sent to the BO at the start and stop of an transaction.	True or False Default: False	Read / Write	Alfen
Eichrecht	SignedMeterValueUpdates	This configuration key only works if the 'SignedDataEnabled' is set to true. By setting this flag to true the metervalue messages that are sent to the BO will contain a part with signed Eichrecht meter values.	True or False Default: False	Read / Write	Alfen
Eichrecht	QRCodeDisplayTime	No functionality yet			Alfen
Eichrecht	QRCodeURL	No functionality yet			Alfen
Eichrecht	SignedStartStopMeterValue	Include the signed data in an extra metervalue message to the BO at the start en stop transaction.	True or False Default: False	Read / Write	Alfen
Eichrecht	PublicKey-EnergyMeter1	Public key of the first energy meter (if the energy meter contains a public key).	String (max 40 characters)	Read only	Alfen
Eichrecht	PublicKey-EnergyMeter2	Public key of the second energy meter (if the energy meter contains a public key).	String (max 40 characters)	Read only	Alfen
Security	CertificateSignedMaxChain	Maximum length of a certificate chain that can be installed.	Integer	Read only	OCPP
Security	CertificateStoreMaxLength	Maximum number of Root/CA certificates that can be installed in the Charge Point.	Integer	Read only	OCPP
Security	CpoName	This configuration key contains CPO name (or an organization trusted by the CPO) as used in the Charge Point Certificate.	String	Read / Write	OCPP
Security	SecurityProfile	This configuration key is used to set the security profile used by the Charge Point. Before accepting new level of security, the station verifies if all prerequisites are met. The value of this configuration key can only be increased to a higher level, attempts to lower the security profile result in a reject. 0: No security profiles 1: Basic authentication (username/ password) 2: Server side certificates 3: Server side and client side certificates	Default: 0	Read / Write	OCPP
Price transparency	Pricing-Currency	The ISO 4217 currency code for the pricing information that can be shown on the display. Note that some ISO codes will be automatically converted to a currency symbol.	For instance 'EUR' (default)	Read / Write	Alfen
Price transparency	Pricing-StartPrice	The start price for a charging session (for display purposes only).	Float, for instance 0.45. Default: 0.0	Read / Write	Alfen
Price transparency	Pricing-EnergyPrice	The price per kWh for a charging session (for display purposes only). A pricing information block will only be shown on the 'Available' screen.	Float, for instance 0.45. Default: 0.0	Read / Write	Alfen
Price transparency	Pricing-ShowDisclaimer	Show a price disclaimer text on the display.	True or False Default: True	Read / Write	Alfen
Direct Payment Solutions	DPSAvailableMethods	A comma-separated list of the Direct Payment Solutions that are available. If no Direct Payment Solutions are available, this configuration key is hidden.	For example "Giroe"	Read only	Alfen
Direct Payment Solutions	DPSGiroeMethodStatus	Used to enable or disable Giro-e functionality. This key is only visible if RFID and Giro-e features are available, and the charging station is Eichrecht-compliant.	"enabled" or "disabled"	Read / Write	Alfen
Other	GetConfigurationMaxKeys	The maximum number of keys in a GetConfiguration message.	0 – 32767 Default: 35	Read only	OCPP
Other	NumberOfConnectors	Number of connectors. - Eve Single: 1 - Eve Double: 2 - Twin: 2	1 or 2	Read only	OCPP
Other	ReserveConnectorZeroSupported	If this configuration key is set to true the CS supports reservations for connector 0 (complete CS).	True (Always)	Read only	OCPP

| Other | ResetRetries | Number of times to retry an unsuccessful reset of the CS. | 0
Default: 0 | Read only | OCPP |
| Other | ForceFirmwareRollback | Manually force a firmware rollback by setting this configuration key to the current firmware version build number. NOTE: Only use this if absolutely necessary, firmware rollbacks can cause database issues and undefined behavior regarding Transactions. | Firmware version number (i.e. 4.6.0-: | Write only | Alfen |