# BLUETOOTH PROTOKOLÜ

Gönderilcek datalar bytes array olarak gönderiliyor. Bytes array json’ çevrilmelidir.

## Software Settings Service

SOFTWARE\_SETTİNG\_UUID = '12345678-1234-5678-1234-56789abcab00'

### Network Priority Characteristic

NETWORK\_PRIORITY\_UUID = '12345678-1234-5678-1234-56789abcab01'

A screenshot of a computer

Description automatically generated

**Priority 1, 2, 3 Select Option olacak**

* ETH, 4G, WLAN

{

    "Command" : "NetworkPriority",

    "Data" : {

                "enableWorkmode" : true,

                "1" : "ETH",

                "2" : "4G",

                "3" : "WLAN"

            }

}

### 4G Settings Characteristic

Settings4G\_UUID = '12345678-1234-5678-1234-56789abcab02'

A screenshot of a login form

Description automatically generated

{

    "Command" : "4GSettings",

    "Data" : {

                "enableModification" : true,

                "apn" : "3gnet",

                "user" : "uninet",

                "password" : "uninet",

                "pin" : "0000"

            }

}

### Ethernet Settings Characteristic

Ethernet\_Settings\_UUID = '12345678-1234-5678-1234-56789abcab03'

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{

    "Command" : "EthernetSettings",

    "Data" : {

                "ethernetEnable" : true,

                "dhcpcEnable" : false,

                "ip" : "89.32.117.63",

                "netmask" : "255.255.255.0",

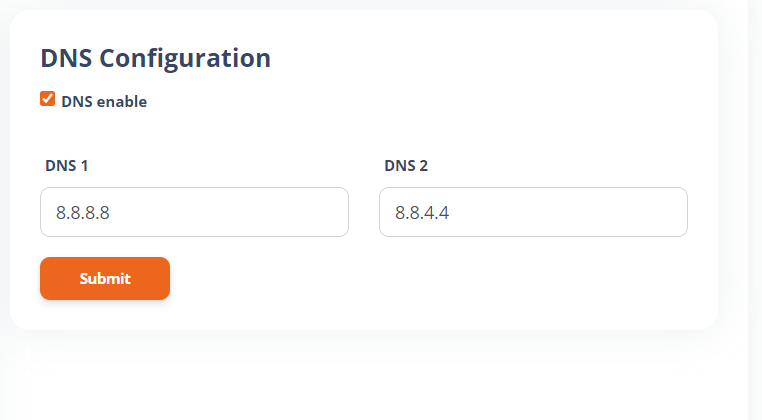
                "gateway" : "89.32.117.1"

            }

}

### DNS Settings Characteristic

DNSSettings\_UUID = '12345678-1234-5678-1234-56789abcab04'



{

    "Command" : "DNSSettings",

    "Data" : {

                "dnsEnable" : true,

                "DNS1" : "8.8.8.8",

                "DNS2" : "8.8.4.4"

            }

}

### Wifi Settings Characteristic

WifiSettings\_UUID = '12345678-1234-5678-1234-56789abcab05'

A screenshot of a wifi configuration

Description automatically generated

**Mod Selection ve Encryption bölümü Select Option olacak.**

mod 🡪 AP, STA

encryptionType 🡪 OPEN, WEP, WPA, WPA2

{

    "Command" : "WifiSettings",

    "Data" : {

                "wifiEnable" : true,

                "mod" : "AP",

                "ssid" : "HeraNet",

                "password" : "Hera2023\*",

                "encryptionType" : "wpa",

                "wifidhcpcEnable" : true,

                "ip" : "89.32.117.63",

                "netmask" : "255.255.255.0",

                "gateway" : "89.32.117.1"

            }

}

### Ocpp Settings Characteristic

OcppSettings\_UUID = '12345678-1234-5678-1234-56789abcab06'

A screenshot of a computer

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{

    "Command" : "OcppSettings",

    "Data" : {

                "domainName" : "34.16.180.181",

                "port" : "9000",

                "sslEnable" : "Disable",

                "authorizationKey" : "",

                "path" : "/",

                "chargePointId" : "HCAC12345"

            }

}

### Functions Enable Characteristic

FunctionsSettings\_UUID = '12345678-1234-5678-1234-56789abcab07'

A screenshot of a computer

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**Card Type Bölümü Select Option olacak.**

* **StartStopCard,** **LocalPnC, BillingCard**

**Local Startup Whether To Go Ocpp Background, Whether To Transfer Private Data, Whether To Open The Qr Code Process Bölümleri Select Option olacak**

* **no, yes**

{

    "Command" : "FunctionsEnable",

    "Data" : {

                "card\_type" : "BillingCard",

                "whether\_to\_open\_the\_qr\_code\_process" : "no",

                "local\_startup\_whether\_to\_go\_ocpp\_background" : "yes",

                "whether\_to\_transfer\_private\_data" : "no"

            }

}

### Time Zone Settings Characteristic

TimezoonSettings\_UUID = '12345678-1234-5678-1234-56789abcab08'

**A white text box with black text

Description automatically generated**

**Select Option olacak**

* **const Zones = [**

**{ label: "(UTC-12:00) International Date Line West", value: "Etc/GMT+12"},**

**{label: "(UTC-11:00) Coordinated Universal Time-11",value: "Etc/GMT+11" },**

**{label: "(UTC-10:00) Hawaii", value: "Pacific/Honolulu", },**

**{label: "(UTC-09:00) Alaska",value: "America/Anchorage",},**

**{label: "(UTC-08:00) Baja California",value: "America/Santa\_Isabel",},**

**{label: "(UTC-08:00) Pacific Time (US and Canada)", value: "America/Los\_Angeles",},**

**{label: "(UTC-07:00) Chihuahua, La Paz, Mazatlan",value: "America/Chihuahua",},**

**{label: "(UTC-07:00) Arizona",value: "America/Phoenix",},**

**{ label: "(UTC-07:00) Mountain Time (US and Canada)",value: "America/Denver", },**

**{ label: "(UTC-06:00) Central America",value: "America/Guatemala",},**

**{ label: "(UTC-06:00) Central Time (US and Canada)",value: "America/Chicago",},**

**{label: "(UTC-06:00) Saskatchewan",value: "America/Regina",},**

**{label: "(UTC-06:00) Guadalajara, Mexico City, Monterey",value: "America/Mexico\_City",},**

**{label: "(UTC-05:00) Bogota, Lima, Quito",value: "America/Bogota",},**

**{ label: "(UTC-05:00) Indiana (East)",value: "America/Indiana/Indianapolis",},**

**{ label: "(UTC-05:00) Eastern Time (US and Canada)",value: "America/New\_York"},**

**{label: "(UTC-04:30) Caracas",value: "America/Caracas" },**

**{ label: "(UTC-04:00) Atlantic Time (Canada)", value: "America/Halifax",},**

**{ label: "(UTC-04:00) Asuncion",value: "America/Asuncion",},**

**{ label: "(UTC-04:00) Georgetown, La Paz, Manaus, San Juan",value: "America/La\_Paz",},**

**{ label: "(UTC-04:00) Cuiaba",value: "America/Cuiaba", },**

**{label: "(UTC-04:00) Santiago",value: "America/Santiago" },**

**{ label: "(UTC-03:30) Newfoundland", value: "America/St\_Johns" },**

**{label: "(UTC-03:00) Brasilia",value: "America/Sao\_Paulo", },**

**{ label: "(UTC-03:00) Greenland",value: "America/Godthab",},**

**{ label: "(UTC-03:00) Cayenne, Fortaleza",value: "America/Cayenne",},**

**{label: "(UTC-03:00) Buenos Aires", value: "America/Argentina/Buenos\_Aires" },**

**{label: "(UTC-03:00) Montevideo",value: "America/Montevideo"},**

**{ label: "(UTC-02:00) Coordinated Universal Time-2", value: "Etc/GMT+2" },**

**{label: "(UTC-01:00) Cape Verde", value: "Atlantic/Cape\_Verde" },**

**{label: "(UTC-01:00) Azores",value: "Atlantic/Azores",},**

**{label: "(UTC+00:00) Casablanca",value: "Africa/Casablanca",},**

**{label: "(UTC+00:00) Monrovia, Reykjavik",value: "Atlantic/Reykjavik",},**

**{label: "(UTC+00:00) Dublin, Edinburgh, Lisbon, London",value: "Europe/London"}**

**{label: "(UTC+00:00) Coordinated Universal Time",value: "Etc/GMT",},**

**{label: "(UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna",value: "Europe/Berlin", },**

**{ label: "(UTC+01:00) Brussels, Copenhagen, Madrid, Paris", value: "Europe/Paris", },**

**{ label: "(UTC+01:00) West Central Africa", value: "Africa/Lagos", },**

**{ label: "(UTC+01:00) Belgrade, Bratislava, Budapest, Ljubljana, Prague", value: "Europe/Budapest", },**

**{ label: "(UTC+01:00) Sarajevo, Skopje, Warsaw, Zagreb", value: "Europe/Warsaw", },**

**{ label: "(UTC+01:00) Windhoek", value: "Africa/Windhoek", },**

**{ label: "(UTC+02:00) Athens, Bucharest", value: "Europe/Athens", },**

**{ label: "(UTC+02:00) Helsinki, Kyiv, Riga, Sofia, Tallinn, Vilnius", value: "Europe/Kiev", },**

**{ label: "(UTC+02:00) Cairo", value: "Africa/Cairo", },**

**{ label: "(UTC+02:00) Damascus", value: "Asia/Damascus", },**

**{ label: "(UTC+02:00) Amman", value: "Asia/Amman", },**

**{ label: "(UTC+02:00) Harare, Pretoria", value: "Africa/Johannesburg", },**

**{ label: "(UTC+02:00) Jerusalem", value: "Asia/Jerusalem", },**

**{ label: "(UTC+02:00) Beirut", value: "Asia/Beirut", },**

**{ label: "(UTC+03:00) Istanbul", value: "Europe/Istanbul", },**

**{ label: "(UTC+03:00) Baghdad", value: "Asia/Baghdad", },**

**{ label: "(UTC+03:00) Minsk", value: "Europe/Minsk", },**

**{ label: "(UTC+03:00) Kuwait, Riyadh", value: "Asia/Riyadh", },**

**{ label: "(UTC+03:00) Nairobi" value: "Africa/Nairobi", },**

**{ label: "(UTC+03:30) Tehran", value: "Asia/Tehran", },**

**{ label: "(UTC+04:00) Moscow, St. Petersburg, Volgograd", value: "Europe/Moscow", },**

**{ label: "(UTC+04:00) Tbilisi", value: "Asia/Tbilisi", },**

**{ label: "(UTC+04:00) Yerevan", value: "Asia/Yerevan", },**

**{ label: "(UTC+04:00) Abu Dhabi, Muscat", value: "Asia/Dubai", },**

**{ label: "(UTC+04:00) Baku", value: "Asia/Baku", },**

**{ label: "(UTC+04:00) Port Louis", value: "Indian/Mauritius", },**

**{ label: "(UTC+04:30) Kabul", value: "Asia/Kabul", },**

**{ label: "(UTC+05:00) Tashkent", value: "Asia/Tashkent", },**

**{ label: "(UTC+05:00) Islamabad, Karachi", value: "Asia/Karachi", },**

**{ label: "(UTC+05:30) Sri Jayewardenepura Kotte", value: "Asia/Colombo", },**

**{ label: "(UTC+05:30) Chennai, Kolkata, Mumbai, New Delhi", value: "Asia/Kolkata", },**

**{ label: "(UTC+05:45) Kathmandu", value: "Asia/Kathmandu", },**

**{ label: "(UTC+06:00) Astana", value: "Asia/Almaty", },**

**{ label: "(UTC+06:00) Dhaka", value: "Asia/Dhaka", },**

**{ label: "(UTC+06:00) Yekaterinburg", value: "Asia/Yekaterinburg", },**

**{ label: "(UTC+06:30) Yangon", value: "Asia/Yangon", },**

**{ label: "(UTC+07:00) Bangkok, Hanoi, Jakarta", value: "Asia/Bangkok", },**

**{ label: "(UTC+07:00) Novosibirsk", value: "Asia/Novosibirsk", },**

**{ label: "(UTC+08:00) Krasnoyarsk", value: "Asia/Krasnoyarsk", },**

**{ label: "(UTC+08:00) Ulaanbaatar", value: "Asia/Ulaanbaatar", },**

**{ label: "(UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi", value: "Asia/Shanghai", },**

**{ label: "(UTC+08:00) Perth", value: "Australia/Perth",},**

**{ label: "(UTC+08:00) Kuala Lumpur, Singapore", value: "Asia/Singapore", },**

**{ label: "(UTC+08:00) Taipei", value: "Asia/Taipei", },**

**{ label: "(UTC+09:00) Irkutsk", value: "Asia/Irkutsk" },**

**{ label: "(UTC+09:00) Seoul", value: "Asia/Seoul" },**

**{ label: "(UTC+09:00) Osaka, Sapporo, Tokyo", value: "Asia/Tokyo", },**

**{ label: "(UTC+09:30) Darwin", value: "Australia/Darwin",},**

**{ label: "(UTC+09:30) Adelaide", value: "Australia/Adelaide",},**

**{ label: "(UTC+10:00) Hobart", value: "Australia/Hobart", },**

**{label: "(UTC+10:00) Yakutsk",value: "Asia/Yakutsk", },**

**{label: "(UTC+10:00) Brisbane", value: "Australia/Brisbane" },**

**{ label: "(UTC+10:00) Guam, Port Moresby",value: "Pacific/Port\_Moresby"},**

**{ label: "(UTC+10:00) Canberra, Melbourne, Sydney", value: "Australia/Sydney",},**

**{label: "(UTC+11:00) Vladivostok",value: "Asia/Vladivostok",},**

**{ label: "(UTC+11:00) Solomon Islands, New Caledonia", value: "Pacific/Guadalcanal", },**

**{ label: "(UTC+12:00) Coordinated Universal Time+12",value: "Etc/GMT-12",},**

**{ label: "(UTC+12:00) Fiji, Marshall Islands",value: "Pacific/Fiji",},**

**{label: "(UTC+12:00) Magadan",value: "Asia/Magadan",},**

**{ label: "(UTC+12:00) Auckland, Wellington",value: "Pacific/Auckland",},**

**{label: "(UTC+13:00) Nuku'alofa",value: "Pacific/Tongatapu",},**

**{label: "(UTC+13:00) Samoa",value: "Pacific/Apia",},**

**];**

{

    "Command" : "TimeZoneSettings",

    "Data" : {

                "timezone" : "Europe/Istanbul"

            }

}

### Bluetooth Characteristic

BluetoothSettings\_UUID = '12345678-1234-5678-1234-56789abcab09'

**A screenshot of a computer

Description automatically generated**

**Bluetooth enable Select option olacaktır.**

* **Disable, Enable**

{

    "Command" : "BluetoothSettings",

    "Data" : {

                "bluetooth\_enable" : "Enable",

                "pin" : "0000",

                "bluetooth\_name" : ""

            }

}

### Get Version Characteristic

FirmwareSettings\_UUID = '12345678-1234-5678-1234-56789abcab10'

**A close up of a box

Description automatically generated**

{

    "Command" : "FirmwareVersion",

    "Data" : {

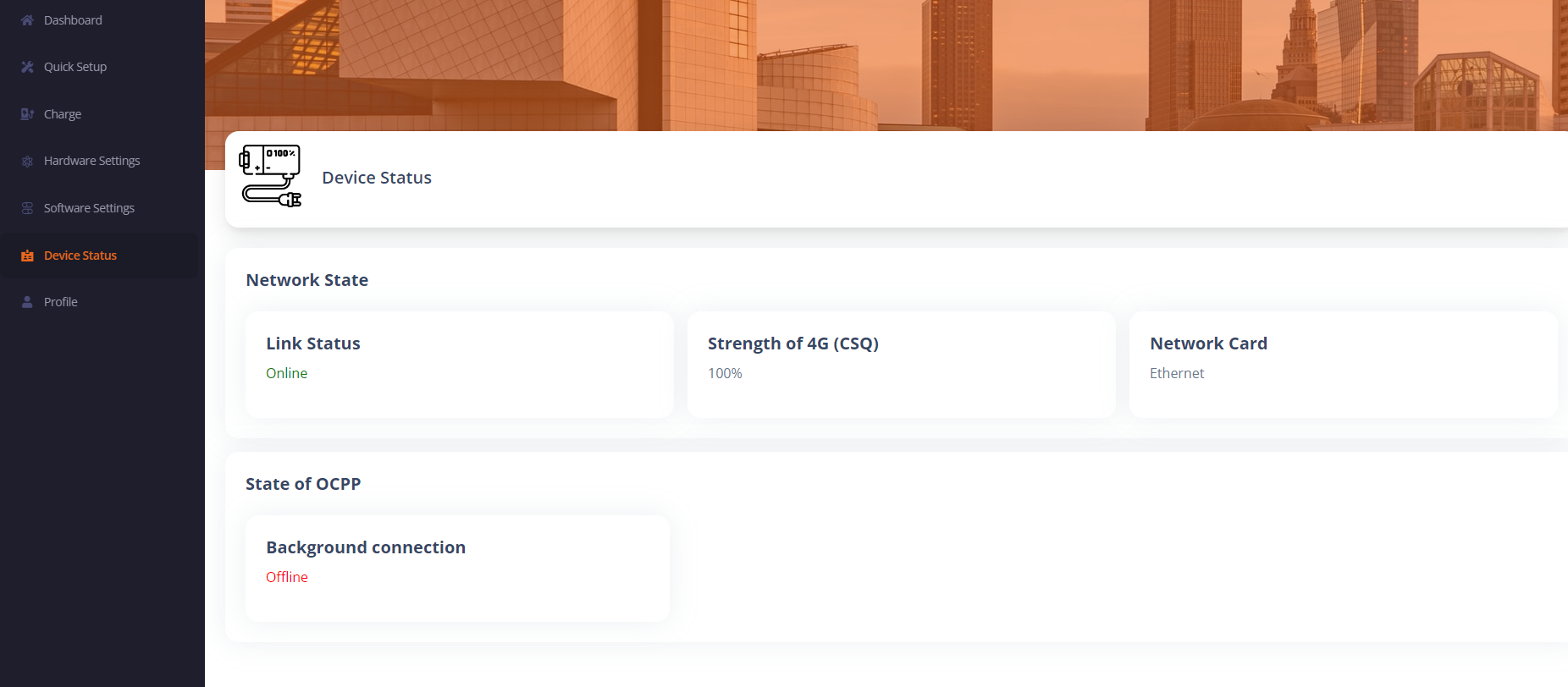
                "version" : "v1.0.5"

            }

}

### Device Status Characteristic

DeviceStatusSettings\_UUID = '12345678-1234-5678-1234-56789abcab11'

****

{

    "Command" : "DeviceStatus",

    "Data" : {

                "linkStatus" : "Online",

                "strenghtOf4G" : "100%",

                "networkCard" : "Ethernet",

                "stateOfOcpp" : "Offline"

            }

}

### Hardware Settings

MaxCurrentSettings\_UUID = '12345678-1234-5678-1234-56789abcab12'

**A screenshot of a computer

Description automatically generated**

{

    "Command": "ACCurrent",

    "Data": {

                "maxcurrent": 30

    }

}

### Şarja Başlatma

StartTransaction\_UUID = '12345678-1234-5678-1234-56789abcab13'

    "Command": "StartTransaction",

    "Data": {}

}

A screenshot of a phone

Description automatically generated

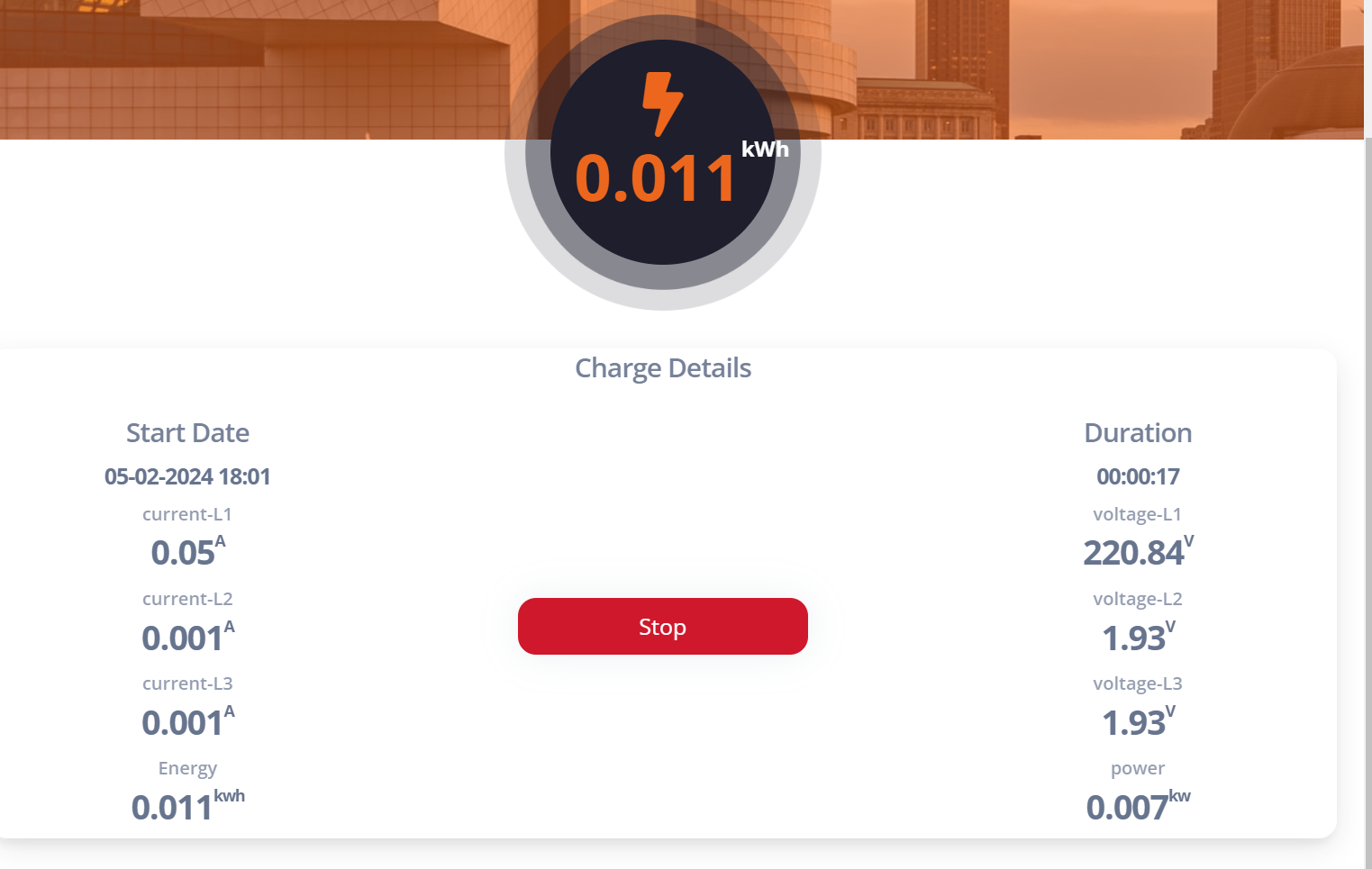
### Şarjı Bitirme

StartTransaction\_UUID = '12345678-1234-5678-1234-56789abcab14'

    "Command": "StopTransaction",

    "Data": {}

}



### Charging

Charging\_UUID = '12345678-1234-5678-1234-56789abcab15'

Şarj sayfası verileri bu Charging Command ile gelmektedir. charge değişkeni true ise şarj oluyor. False ise şarj olmuyor anlamına gelmektedir. Şarj sayfasına girildiğinde bu veriler belirli saniyede bir okunmalı ve sayfadaki veriler yenilenmelidir.

A screenshot of a phone

Description automatically generated

{

    "Command" : "Charging",

    "Data" : {

                "charge" : true,

                "start\_date" : "05-02-2024 18:01",

                "duration" : "00:00:17",

                "current\_L1" : 0.05,

                "current\_L2" : 0.001,

                "current\_L3" : 0.001,

                "voltage\_L1" : 220.84,

                "voltage\_L2" : 1.93,

                "voltage\_L3" : 1.93,

                "power" :0.011,

                "energy" : 0.007

            }

}