

Brochure
Temes Power Charger Series 20 – 40 kW



Charger – Product Versions I

| Unit Name | Part Number | Main technical Data |
|---|--------------|---|
| 20 kW DC Fast Charger Wallbox | TEMP500013-1 | 1,000 V DC continuously (Range 250 – 1,000 V); 25 A max CEE32/63 input connector, CCS-DC-charging connector, 5 m WLAN (remote access); OCPP 1.6 |
| 20 kW DC Fast Charger Mobile Variant | TEMP500013-9 | 1,000 V DC continuously (Range 250 – 1,000 V); 25 A max CEEE63 input connector, CCS-DC-charging connector, 5 m WLAN (remote access); OCPP 1.6 |
| 40 kW DC Fast Charger Wallbox | TEMP500013-2 | 1,000 V DC continuously (Range 250 – 1,000 V); 50 A max CEE32/63 input connector, CCS-DC-charging connector, 5 m WLAN (remote access); OCPP 1.6 |
| 40 kW DC Fast Charger Mobile Variant | TEMP500013-8 | 1,000 V DC continuously (Range 250 – 1,000 V); 50 A max CEEE63 input connector, CCS-DC-charging connector, 5 m WLAN (remote access); OCPP 1.6 |

Version: Stationary Charging Station



Wallbox Version



Mobile Version



Charger Configurations I

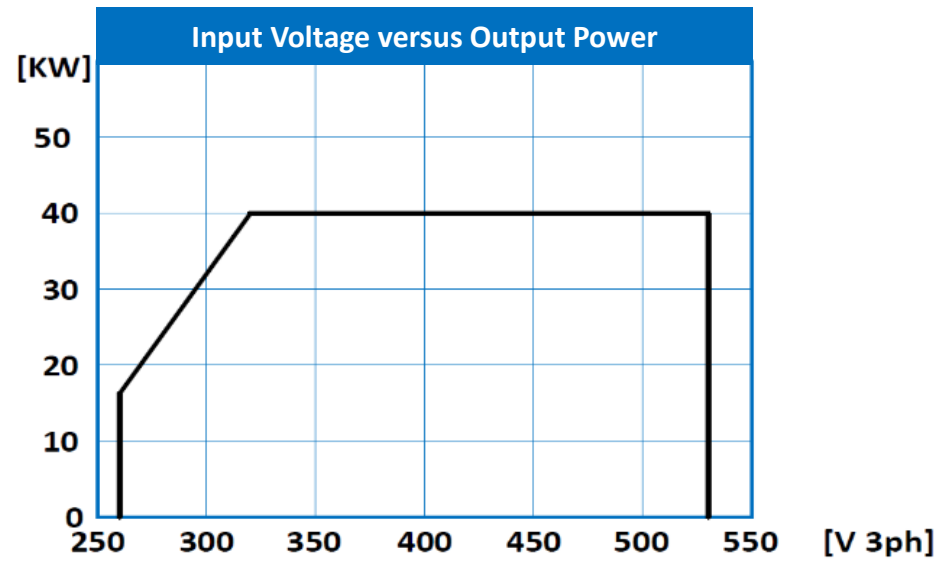
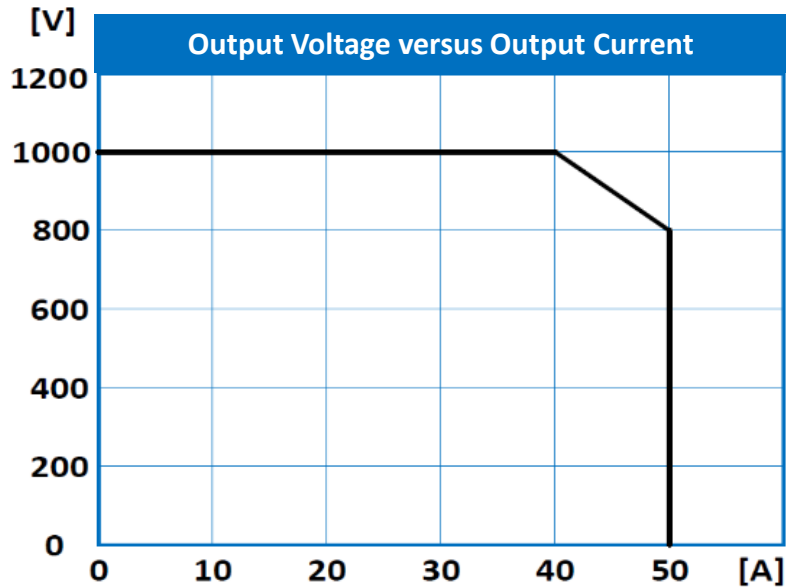
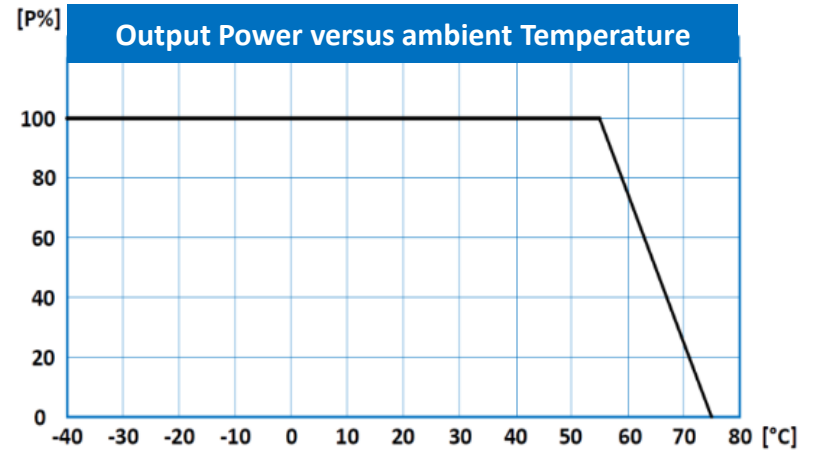


| CCS1 | CCS2 | GBT | CHAdeMO |
|--------------|--------------|-------------|--------------|
| CCS1 | CCS2 | GBT | CHAdeMO |
| CCS1+CHAdeMO | CCS2+CHAdeMO | GBT+GBT | CHAdeMO+CCS1 |
| CCS1+CCS1 | CCS2+CCS2 | GBT+CCS1 | CHAdeMO+CCS2 |
| CCS1+GBT | CCS2+GBT | GBT+CCS2 | CHAdeMO+GBT |
| | | GBT+CHAdeMO | |

| Technical Data & Highlights | |
|------------------------------------|--|
| Continuous Charging Voltage | 250 - 1000 V DC |
| Charging Power | 20 kW, 40 kW |
| Mechanical Protection | IP 54, Outdoor Use |
| Operational Temperature | Full output power from – 25°C to 45°C; above, power derating 5% / °C |
| Standards | IEC 61851-1-2017, IEC 62196-1-2012, IEC 609050-1, IEC 61851-21-2 (EMC) |
| Efficiency | ≥ 0.94 % |
| Power Factor | ≥ 0.99 |
| User friendly Operation | 7 inch touch screen display |
| Multiple Charging Programs | Auto-charge, time-charge, fee-charge, energy-charge, SOC charge (Capacity charge, e.g. charging up to 80% of battery capacity) |
| Extensive Safety Means | Output fuses, Contactors, Emergency off Circuit, SPD (Surge Protection Device), Ground Fault Detection, Insulation Monitoring and Software Control |
| Other Options | Connection to a Master Controller; LTE wireless modem Support, RFID Authorizing and Payment; Mobile Apps, Charge Cable extension up to 10 meters |

- Charging of all kind of electric vehicles (cars, buses, commercial vehicles etc.)
- Private households or public
- Car/Bus OEM
- R&D Labs
- Fleet operation and charging management
- Employee charging
- Infrastructure operators, car repair shops, service stations
- Car dealer

Power Curves – 40 kW Charger



Temes Power Charger - References

Date: May 21

| Operation Site | Customer | Vehicle Manufacturer | Note |
|----------------------------------|---------------------------|---|------|
| Portugal / Porto | Siemens | Caetanobus, MAN, CoBus | |
| Germany, Transport Services | Siemens | Transport Service: Wuerzburg, Schwerin, Bonn, Nuernberg | |
| England | Siemens | Caetano UK, Milbrook Moving Ground | |
| Italy | Rampini Carlo Spa | Rampini Carlo Spa | |
| Switzerland, Zuerich Airport | Siemens | Eurobus Schweiz | |
| Germany, Airports | Siemens | Airports: Munich, Frankfurt, Hamburg | |
| German Bus Manufacturer | Siemens | Cobus Wiesbaden, Daimler Truck AG, Scania Busse Deutschland | |
| Poland | Siemens | Solaris Buses | |
| Germany, Leipzig | Leipzig Transit Authority | VDL | |
| Italy, Geneve | Siemens | General | |
| Medical Park Valley | OPED | Public | |
| Hamburg, Hirschberg, Switzerland | Daimler | EvoBus | |
| Switzerland | EvoBus | EvoBus | |

Each Temes Charger can be equipped with an W-LAN Interface as an option.

Once the IP Address and User Data are entered in the browser, the following functions and features are available:

- Display of all actual unit information
- Setting of all relevant parameter
- History, fault and event data
- Software update
- Interface to a Temes master controller (Protection of grid connection, Fleet management, VIP – Charging, RFID Interface)

Optional W-LAN Interface – Home Page

Charger Web Management Sys X | 192.168.201.179/manage/home | System DateTime(UTC1):2021-02-05 14:05:44 | Sync System DateTime for Charger

System Available Status: **Available**

Charger has Alarm: **Abnormal(1)**

Server Comm Fail: **Abnormal**

| Software Version | CCU Firmware Version | Power Modules |
|-------------------|----------------------|---------------|
| V2.00.c17T03, A01 | 5019A10 | 3.100, 3.050 |

Total Energy: **47.2**

Total Charged Times: **3**

| Day | Total Energy (kWh) |
|-----------|--------------------|
| Sunday | 0 |
| Monday | 0 |
| Tuesday | 0 |
| Wednesday | 0 |
| Thursday | ~2 |
| Friday | 47.2 |
| Saturday | 0 |

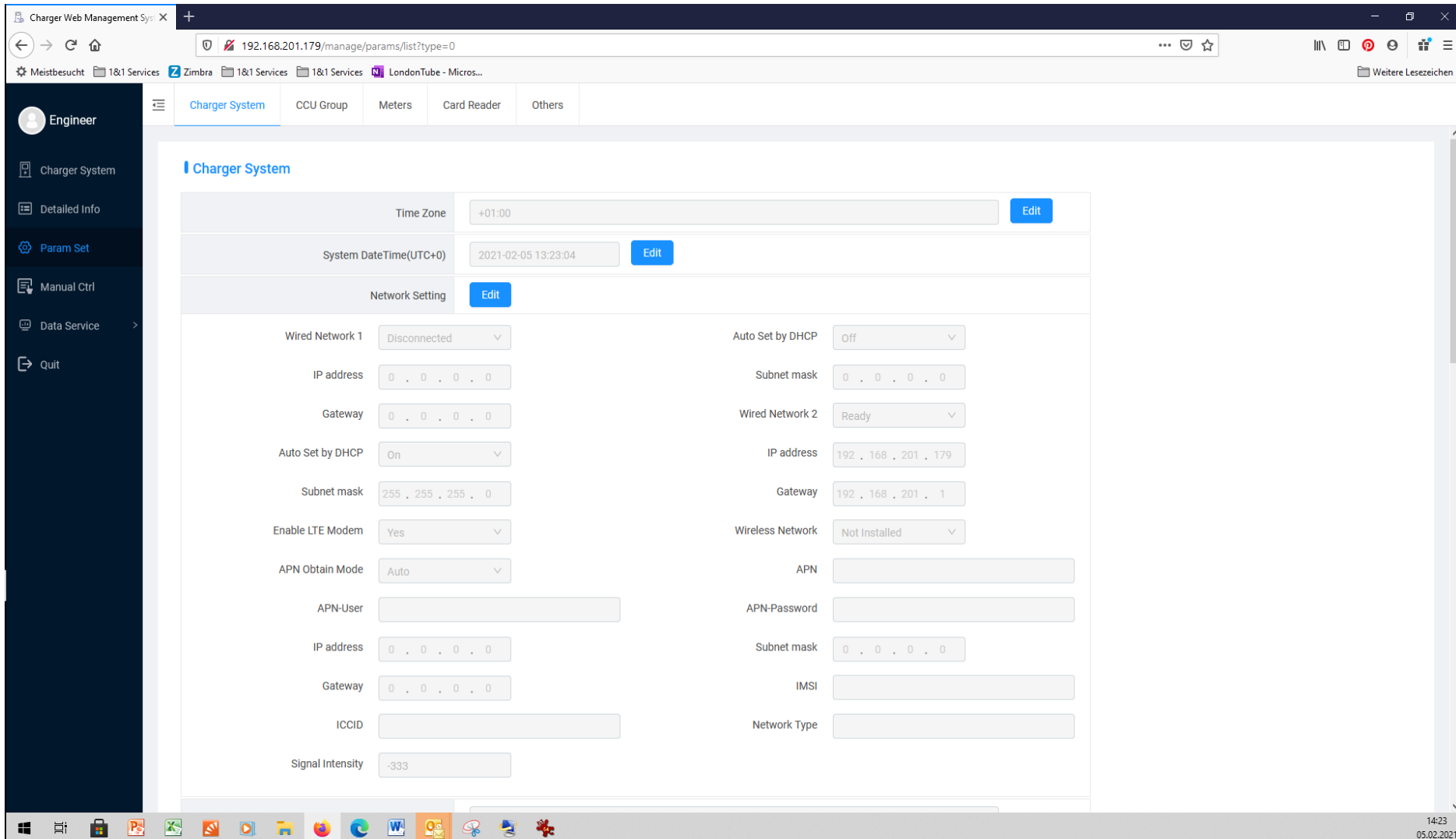
Idle

DC1, CCS-2

Total Output Power

Windows Taskbar: 14:05 05.02.2021

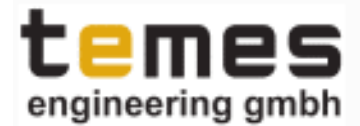
Optional W-LAN Interface – Parameter Setting



The screenshot displays the 'Charger System' configuration page in a web browser. The browser address bar shows the URL `192.168.201.179/manage/params/list?type=0`. The page features a dark sidebar on the left with navigation options: Engineer, Charger System, Detailed Info, Param Set, Manual Ctrl, Data Service, and Quit. The main content area is titled 'Charger System' and contains several configuration sections:

- Time Zone:** Set to `+01:00` with an **Edit** button.
- System DateTime(UTC+0):** Set to `2021-02-05 13:23:04` with an **Edit** button.
- Network Setting:** Includes an **Edit** button and two network configurations:
 - Wired Network 1:** Status is `Disconnected`. Fields include IP address (`0 . 0 . 0 . 0`), Gateway (`0 . 0 . 0 . 0`), Auto Set by DHCP (`On`), Subnet mask (`255 . 255 . 255 . 0`), Enable LTE Modem (`Yes`), APN Obtain Mode (`Auto`), APN-User, IP address (`0 . 0 . 0 . 0`), Gateway (`0 . 0 . 0 . 0`), ICCID, and Signal Intensity (`-333`).
 - Wired Network 2:** Status is `Ready`. Fields include IP address (`192 . 168 . 201 . 179`) and Gateway (`192 . 168 . 201 . 1`).
- Wireless Network:** Status is `Not Installed`. Fields include APN, APN-Password, Subnet mask (`0 . 0 . 0 . 0`), IMSI, and Network Type.

Optional W-LAN Interface – History Data



Charger Web Management Sys: X

192.168.201.179/manage/data/alarm

Meistbesucht 1&1 Services Zimbra 1&1 Services 1&1 Services LondonTube - Micros... Weitere Lesezeichen

Engineer

Charger System

Detailed Info

Param Set

Manual Ctrl

Data Service

Quit

History Alm

By Time: All Level: All Source: All Query

| Index | Level | Source | Alarm Name | Begin Time | End Time |
|-------|-------|----------------|-------------------------------------|---------------------|---------------------|
| 1 | CA | Charger System | System Not Available | 2021-02-04 18:40:46 | 2021-02-04 18:49:37 |
| 2 | CA | CCU Group | Door has been Opened | 2021-02-04 18:40:46 | 2021-02-04 18:49:37 |
| 3 | CA | Charger System | System Not Available | 2021-02-04 18:38:48 | 2021-02-04 18:39:07 |
| 4 | CA | CCU Group | Door has been Opened | 2021-02-04 18:38:48 | 2021-02-04 18:39:07 |
| 5 | CA | Charger System | System Not Available | 2021-02-04 18:33:32 | 2021-02-04 18:34:58 |
| 6 | CA | CCU Group | Door has been Opened | 2021-02-04 18:33:32 | 2021-02-04 18:34:58 |
| 7 | CA | Charger System | System Not Available | 2021-02-04 18:32:48 | 2021-02-04 18:32:49 |
| 8 | CA | CCU Group | All Rectifiers Comm Fail | 2021-02-04 18:32:48 | 2021-02-04 18:32:49 |
| 9 | CA | CCU-A | Rectifier Group Failure | 2021-02-04 18:32:48 | 2021-02-04 18:32:49 |
| 10 | CA | Charger System | System Not Available | 2021-02-04 18:25:02 | 2021-02-04 18:25:10 |
| 11 | CA | CCU Group | Door has been Opened | 2021-02-04 18:25:01 | 2021-02-04 18:25:10 |
| 12 | CA | CCU Group | Door has been Opened | 2021-02-04 15:45:15 | 2021-02-04 15:48:13 |
| 13 | MA | Charger System | System is Disabled | 2021-02-04 15:35:53 | 2021-02-04 15:50:28 |
| 14 | CA | Charger System | System Not Available | 2021-02-04 15:35:51 | 2021-02-04 15:35:53 |
| 15 | MA | CCU-D | Connector Disabled by Administrator | 2021-02-04 15:35:51 | 2021-02-04 15:35:53 |
| 16 | CA | CCU Group | CCU CommFail | 2021-02-04 15:35:48 | 2021-02-04 15:36:05 |

Total Items: 1574 1 2 3 4 5 ... 32 > Go to

14:44 05.02.2021

- Stationary 90 kW Charger, 1 Charging Point (Article-No. TEMP500013-14.1)
- Stationary 90 kW Charger, 2 Charging Points (Article-No. TEMP500013-14.2)
- Stationary 120 kW Charger, 1 Charging Point (Article-No. TEMP500013-15.1)
- Stationary 120 kW Charger, 2 Charging Points (Article-No. TEMP500013-15.2)
- Stationary 150 kW Charger, 1 Charging Point (Article-No. . TEMP500013-16.1)
- Stationary 150 kW Charger, 2 Charging Points (Article-No. TEMP500013-16.2)
- Stationary 180 kW Charger, 1 Charging Point (Article-No. TEMP500013-17.1)
- Stationary 180 kW Charger, 2 Charging Points (Article-No. TEMP500013-17.2)

Version 50

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